

# Teleprinters & Attachment Printers

This Product Survey details the features of teleprinters and attachment printers employed in a remote (communication) or local (host) environment. Models include all keyboard or receive-only printers that can be directly coupled to communications facilities or to CRT terminals or minicomputers via RS-232C/422/423, current loop, and parallel interfaces (standard/optional). Company and model listings include both the terminal manufacturer and the independent dealer-distributor who markets terminal equipment on a national basis. This edition of the Product Survey presents specifications on some 278 teleprinter and attachment printer models that are produced by 70 vendors. In addition, the product lines of 39 dealers and distributors are listed.

Listings in the Survey are first arranged alphabetically by

manufacturer name and then by the specific model. Each model entry is further divided into major Features Sections that detail configuration, printer parameters, communications, features and options, and price and service. For vendors that sell through distributors, the distributors are listed immediately below the vendor's name and address. Distributors are listed at the end of the TELEPRINTERS AND ATTACHMENT PRINTERS FEATURES section. Finally, specific topic categories or fields within each Features Section are delineated in the text with a solid dot (•). The following Teleprinters & Attachment Printers Outline (dot chart) refers the reader to vendors who market models with specific parameters that match user requirements.

## TELEPRINTERS & ATTACHMENT PRINTERS OUTLINE

COMPANY	Distributor Desktop Unit	Teleprinter Terminal/PC/Mini Attachment IBM 3287 Replacement	RO Configuration KSR/ZSR Configuration	Up to 60 cps 61 to 200 cps 201 to 300 cps Over 300 cps	Up to 120 lpm 121 to 500 lpm Over 500 lpm	Non-Impact Matrix Printer Impact Matrix Printer Full Char Daisy/Element Band	ASCII Sets/Codes EBCDIC Sets/Codes APL Sets/Codes Emulor/Other Sets/Codes	40 col at 10 cpi 80 col at 10 cpi 132 col at 10 cpi	Expanded/Condensed Print Graphics Capability Format Control
Alanthus Data Comm	•	—	—	—	—	—	—	—	—
Alphacom Incorporated	—	•	•	—	•	•	—	•	•
American Computer Group	•	—	—	—	—	—	—	—	—
American Datacom	—	•	•	•	—	•	—	—	—
American Peripherals Systems, Inc	•	—	—	—	—	—	—	—	—
Anadex Inc	—	•	•	•	•	•	•	•	•
Anderson Jacobson	—	—	•	•	•	•	•	•	•
AT&T Teletype	—	•	•	•	•	•	•	•	•
Axiom Corporation	—	•	•	•	•	•	•	•	•
Braegen Corp	—	•	•	•	•	•	•	•	•
Carterfone	•	—	—	—	—	—	—	—	—
David Jamison Carlyle	•	—	—	—	—	—	—	—	—
Centronics Data Computer	—	•	•	•	•	•	•	•	•
ComData	•	—	—	—	—	—	—	—	—
Computer Devices	—	•	•	•	•	•	•	•	•
Computer Maintenance	•	—	—	—	—	—	—	—	—
Computer Printers (Comprint)	—	•	•	•	•	•	•	•	•
Computer Transceiver Sys	—	•	•	•	•	•	•	•	•
Computerwise	—	•	•	•	•	•	•	•	•
Continental Resources	•	—	—	—	—	—	—	—	—
Data Access Systems (DAS)	•	—	—	—	—	—	—	—	—
Data General	—	•	•	•	•	•	•	•	•
Data Input Pdts (DIP)	—	•	•	•	•	•	•	•	•
Data Rental/Sales Inc	•	—	—	—	—	—	—	—	—
Data Terminals & Comm (DTC)	—	•	•	•	•	•	•	•	•

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COMPANY	Distributor Desktop Unit	Teleprinter/ Terminal/PC/Mini-Attachment IBM 3267 Replacement	RO Configuration KSR/ASR Replacement	Up to 60 cps 61 to 200 cps 201 to 500 cps Over 500 cps	Up to 120 lpm 121 to 500 lpm Over 500 lpm	Non-Impact Matrix Printer Impact Matrix Printer Full/Char Daisy/Element Inlet Band	ASCII Seta/Codes EBCDIC Seta/Codes AFL Seta/Codes Baudo/Other Seta/Codes	40-col at 10 cpi 80-col at 10 cpi 132-col at 10 cpi	Expanded/Condensed Pr Graphics Capability Format Control
Dataproducts Corporation	••	••	••	••	••	••	••	••	••
Datasouth Computer Corp	••	••	••	••	••	••	••	••	••
Datel-Intersil Inc	••	••	••	••	••	••	••	••	••
Denco Data Equip Corp	••	••	••	••	••	••	••	••	••
Diablo Systems	••	••	••	••	••	••	••	••	••
Digital Equipment Corp (DEC)	••	••	••	••	••	••	••	••	••
Eastern Terminals & Comm	••	••	••	••	••	••	••	••	••
Eastmark Inc	••	••	••	••	••	••	••	••	••
Epson America	••	••	••	••	••	••	••	••	••
Extel Corp	••	••	••	••	••	••	••	••	••
Facit/Dataroyal	••	••	••	••	••	••	••	••	••
Federal Communications	••	••	••	••	••	••	••	••	••
Florida Data Corp	••	••	••	••	••	••	••	••	••
Fujitsu	••	••	••	••	••	••	••	••	••
Genicom Corp	••	••	••	••	••	••	••	••	••
Hamilton Rentals	••	••	••	••	••	••	••	••	••
Hansen & Hughes	••	••	••	••	••	••	••	••	••
Heath/Zenith Co	••	••	••	••	••	••	••	••	••
Hewlett-Packard	••	••	••	••	••	••	••	••	••
Hitachi America Ltd	••	••	••	••	••	••	••	••	••
Honeywell	••	••	••	••	••	••	••	••	••
Infoscribe Inc	••	••	••	••	••	••	••	••	••
Interactive Systems/3M	••	••	••	••	••	••	••	••	••
Interface Systems Inc	••	••	••	••	••	••	••	••	••
Int'l Business Mach (IBM)	••	••	••	••	••	••	••	••	••
Int'l Entry Systems Inc	••	••	••	••	••	••	••	••	••
CItoh Electronics	••	••	••	••	••	••	••	••	••
ITT Courier	••	••	••	••	••	••	••	••	••
Kalbro Computer Sales	••	••	••	••	••	••	••	••	••
Kaye Instruments	••	••	••	••	••	••	••	••	••
Leading Edge Pds Inc	••	••	••	••	••	••	••	••	••
Lear Siegler	••	••	••	••	••	••	••	••	••
Leasametric	••	••	••	••	••	••	••	••	••
Lee Data Corp	••	••	••	••	••	••	••	••	••
Lexicon Corp	••	••	••	••	••	••	••	••	••
Loonam Computer Terminals	••	••	••	••	••	••	••	••	••
Mannesmann Tally Corp	••	••	••	••	••	••	••	••	••
Memorex Corp	••	••	••	••	••	••	••	••	••
Micro Peripherals	••	••	••	••	••	••	••	••	••
MTI Computers & Peripherals	••	••	••	••	••	••	••	••	••
National Computer Comm	••	••	••	••	••	••	••	••	••
NCR Corp	••	••	••	••	••	••	••	••	••
NEC Information Systems	••	••	••	••	••	••	••	••	••
Okidata Corp	••	••	••	••	••	••	••	••	••
Olympia USA Inc	••	••	••	••	••	••	••	••	••
OPE Printers	••	••	••	••	••	••	••	••	••
Plessey Peripheral Systems	••	••	••	••	••	••	••	••	••
Printek Inc	••	••	••	••	••	••	••	••	••
Printer Systems Corp	••	••	••	••	••	••	••	••	••
Printronix Inc	••	••	••	••	••	••	••	••	••

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<b>Qantex</b>	•	•	•	•	•	•	•	•	
<b>Qume Corp</b>	•	•	•	•	•	•	•	•	
<b>Qwikterm Inc</b>	•	•	•	•	•	•	•	•	
<b>Qwint Systems Inc</b>	•	•	•	•	•	•	•	•	
<b>Qytel Data Terminals</b>	•	•	•	•	•	•	•	•	
<b>Racal-Milgo</b>	•	•	•	•	•	•	•	•	
<b>Randal Leasing</b>	•	•	•	•	•	•	•	•	
<b>RCA Service Co</b>	•	•	•	•	•	•	•	•	
<b>Rental Electronics</b>	•	•	•	•	•	•	•	•	
<b>Santec Corp</b>	•	•	•	•	•	•	•	•	
<b>SCI Systems</b>	•	•	•	•	•	•	•	•	
<b>Selecterm Inc</b>	•	•	•	•	•	•	•	•	
<b>Siemens Corp</b>	•	•	•	•	•	•	•	•	
<b>Star Micronics</b>	•	•	•	•	•	•	•	•	
<b>Technic Computer Svc Corp</b>	•	•	•	•	•	•	•	•	
<b>Teleprinter Corp of America</b>	•	•	•	•	•	•	•	•	
<b>Televideo Systems Inc</b>	•	•	•	•	•	•	•	•	
<b>Telex Terminal Comm</b>	•	•	•	•	•	•	•	•	
<b>Telpar Inc</b>	•	•	•	•	•	•	•	•	
<b>Terminal Systems</b>	•	•	•	•	•	•	•	•	
<b>Texas Instruments</b>	•	•	•	•	•	•	•	•	
<b>Toshiba America</b>	•	•	•	•	•	•	•	•	
<b>Tracor Inc</b>	•	•	•	•	•	•	•	•	
<b>Trans-Lux Corp</b>	•	•	•	•	•	•	•	•	
<b>Transnet Corp</b>	•	•	•	•	•	•	•	•	
<b>Trendata</b>	•	•	•	•	•	•	•	•	
<b>Trilog Inc</b>	•	•	•	•	•	•	•	•	
<b>United States Instrument</b>	•	•	•	•	•	•	•	•	
<b>Unitronix Corporation</b>	•	•	•	•	•	•	•	•	
<b>Vitek Corporation</b>	•	•	•	•	•	•	•	•	
<b>Western Union Data Services</b>	•	•	•	•	•	•	•	•	
<b>Western Union Telegraph Co</b>	•	•	•	•	•	•	•	•	
<b>Westwood Computer Corp</b>	•	•	•	•	•	•	•	•	
<b>Xerox</b>	•	•	•	•	•	•	•	•	

### TELEPRINTERS & ATTACHMENT PRINTERS FEATURES

#### CONFIGURATION

This Features Section presents details on the overall printer configuration, its components or modules, and its "compatibility" with other terminals. Specific topic fields within the section cover:

**Terminal Type** • designating if the teleprinter is configured as an RO (Receive-Only), KSR (Keyboard Send-Receive), and/or ASR (Automatic Send/Receive) terminal; if the model is portable; and if it is user-programmable.

**Integral Buffers or Memory** • in most instances this denotes the memory employed to buffer the speed of the printing mechanism with the rate at which data is received from the communication interface. Extra RAM or ROM memory configured with programmable printers is also cited.

**Peripherals** • auxiliary punched paper tape, mag tape or diskette attachments used with ASR configurations.

**Keyboard Arrangements** • basic keyboard layout and any ancillary keypads configured into the console are cited; moveable, cable-connected keyboards are designated as "modular."

**Terminal Equivalence** • model "compatibility" with the more popular TTY, IBM, or other make terminals are presented here as either "replacement" or "emulation."

#### PRINTER PARAMETERS

This Section defines the printing mechanism, printer parameters, and type of paper feed.

## Teleprinters & Attachment Printers

**Printer Type** • defines the printing speed in characters per second (cps); the type of character formed on the page (matrix or full); and the mechanism employed (impact or nonimpact). Full or solid character printers produce "letter quality" printout. Impact mechanism allows the generation of copies during the printout. Nonimpact models offer quiet operation and a somewhat higher degree of reliability.

**Character Set** • specifies the number of printable characters or symbols, and the character set convention note that upper-/lowercase printing is implied by sets with 94 or more printable characters.

**Line Format** • specifies the total number of characters or columns per line (columns), and the line density in characters per inch (cpi). Some printers offer switch-selectable column/density line formats or expanded/contracted character printout.

**Line Density** • specifies the line density or lines per inch (lpi) settings available on the printer.

**Page Width & Feeds** • specifies the overall paper width accommodated by the printer and feed mechanism options (friction, pin-feed, or tractor) are also specified.

Other printer topic fields are used to designate horizontal and vertical tab or format control; bidirectional print or print/plot; graphics; and other printer-related features.

### COMMUNICATIONS

This Section specifies the communication-oriented features of the printing terminal. The type of parallel interface (e.g. Centronics), if available, or the device which accommodates the printer is specified for attachment printers.

**Data Rate** • lists the switch- or strap-selectable transmission speeds in bits per second (bps) that are available on the printer.

**Line Mode & Synchronization** • specifies half- or full-duplex mode and synchronization. Terminals with full-duplex usually employ the feature to transmit status or control codes while performing printing operations.

Other entries specify the line code conventions associated with transmission (ASCII, EBCDIC, etc); the interface arrangements available on the terminal (RS-232C, RS-422/-423, parallel 20-/60-mA loop); parity bit selections; internal answerback memory; multipoint/multidrop operation; and other features.

### FEATURES/OPTIONS

This Section specifies all device features included in the unit's base price (standard features) followed by any extra-cost options.

### PRICE/SERVICE

This Features Section specifies the base (standard) single-unit purchase price, 1- or 2-year lease price (if available) and monthly or annual maintenance fee for purchased or leased units. The prices are for standard models without extra-cost options. Quantity discounts, where applicable, are specified. Also, this section specifies type of service (if provided by vendor) as factory, depot, or on-call. Service, where provided, is specified as own or nationwide service organization, such as Sorbus.

The following are national sales/leasing companies for data communications terminals:

**Alanthus Data Communications** • 6011 Executive Boulevard, Rockville, MD 20852 • 301-770-1150.

**American Computer Group/American Used Computer** • P.O. Box 68, Kenmore Station, Boston, MA 02215 • 617-437-1100.

**American Peripheral Systems, Inc** • 1491 Chain Bridge Road, Suite 200, McLean, VA 22101 • 703-893-9700.

**Carterfone Communications Corp/Cable and Wireless Company** • 1111 West Mockingbird Lane, Dallas, TX 75247 • 214-630-9700.

**David Jamison Carlyle** • Two Century Plaza, 2049 Century Park East, 30th Floor, Los Angeles, CA 90067 • 213-277-4662.

**Comdata Corporation** • 79 North Nagle Avenue, Morton Grove, IL 60053 • 312-470-9600.

**Computer Maintenance Corp** • 22 Fifth Street, Stamford, CT 06905 • 203-325-0850.

**Continental Resources Inc** • 175 Middlesex Turnpike, Bedford, MA 01730 • 617-275-0850.

**Data Access Systems (DAS)** • Coles Road and Camden Avenue, P.O. Box 1230, Blackwood, NJ 08012 • 609-228-0700.

**Data Rental/Sales, Inc** • 8611 Hayden Place, Culver City, CA 90230 • 213-559-3822.

**Denco Data Equipment Corp** • 25 Skippack Pike, Ambler, PA 19002 • 215-542-9876.

**Eastmark, Inc** • 10 Kearney Road, Suite 24, Needham, MA 02194 • 617-449-0050.

**Eastern Terminals and Communications, Inc** • 365 Broadway, Hillsdale, NJ 07642 • 201-664-1050.

**Federal Communications** • 11126 Sandy Trail, Dallas, TX 75229 • 214-620-0644.

**Hamilton Rentals** • 6 Pearl Court, Allendale, NJ 07401 • 201-327-1444.

**Hansen & Hughes** • P.O. Box 806, Ridgewood, NJ 07451 • 201-652-7055.

**Kalbro Computer Sales/ICE** • 100 Foster Road, Moorestown, NJ 08057 • 609-778-1800.

**Leading Edge Products, Inc** • 225 Turnpike Street, Canton, MA 02021 • 617-828-8150.

**Leasametric/A Trans Union Company** • 1164 Triton Drive, Foster City, CA 94404 • 415-574-4441.

**Loonam Computer Terminals** • 7720 Bush Lake Road, Minneapolis, MN 55435 • 612-831-1616.

**MTI Computers and Peripherals** • 159 Northern Boulevard, Great Neck, NY 11021 • 516-482-3500.

**National Computer Communications** • 260 West Avenue, Stamford, CT 06902 • 203-357-0004.

**Printer Systems Corporation (PSC)** • 9055 Comprint Court, Suite 200, Gaithersburg, MD 20877 • 301-258-5060.

**Qwikterm Incorporated** • Danvers Executive Park, 153 Andover Street, Danvers, MA 01923 • 617-246-1665.

**Qytel Data Terminal** • 285 Madison Avenue, New York, NY 10017 • 212-889-3888.

**Randall Leasing Inc** • 20710 Manhattan Place, Suite 100, Torrance, CA 90501 • 213-328-7460.

**RCA Service Company/Division of RCA** • Building 204-2, Route 38, Cherry Hill, NJ 08358 • 609-338-3000.

**Rental Electronics** • 6307 DeSota Avenue, Woodland Hills, CA 91367 • 213-887-4000.

**Selecterm Incorporated** • Danvers Executive Park, 153 Andover Street, Danvers, MA 01923 • 617-246-1300.

**Technic Computer Service Corporation** • 71450 Mount Herrmann, Unit F, Fountain Valley, CA 92708 • 714-751-0315.

**Teleprinter Corporation of America** • 550 Springfield Avenue, Berkeley Heights, NJ 07922 • 201-541-0538.

**Terminal Systems** • 11300 Harland Street, North Hollywood, CA 91605 • 213-769-6772.

**Transnet Corporation** • 2005 Route 22, Union, NJ 07803 • 201-688-7800.

**Trendata/Standard Memories** • 3400 West Segerstrom, Santa Ana, CA 92704 • 714-540-3605.

**United States Instruments Rentals/A U.S. Leasing Company** • 2988 Campus Drive, San Mateo, CA 94403 • 415-572-6600.

**Unitronix Corporation** • 197 Meister Avenue, Somerville, NJ 08876 • 201-231-9400.

**Vitek** • 930G Boardwalk Avenue, San Marcos, CA 92069 • 714-744-8305.

## Teleprinters & Attachment Printers

**Western Union Telegraph Company** • One Lake Street, Upper Saddle, NJ 07458 • 201-825-5333.

**Westwood Computer Corp** • P.O. Box 10, 25 Route 22 East, Springfield, NJ 07081 • 201-376-4242.

### TELEPRINTERS & ATTACHMENT PRINTERS PRODUCT LISTINGS

#### ■ ALPHACOM INC

2323 South Bascom Avenue, Campbell, CA 95008 • 408-559-8000.

##### □ Alphacom 20

**Configuration** • RO • 20-char line buffer RAM, ROM microprocessor-based.

**Printer Parameters** • 1.5 lps or 90 lpm 5x8 matrix (20/10/5/2/1 cpl) thermal • 96 ASCII char set • 40 columns at 10 cpi • 6.4 lpi • 2.33-inch friction platen.

**Communications** • same as Alphacom Model 81 • see above.

**Features/Options** • vert format control; top-of-form control; upside down/sideways, print/plot graphics mode.

**Price/Service** • OEM only prices available • contact vendor.

##### □ Alphacom 42

**Configuration** • RO • single line buffer • 3.75 x 7 x 10 inches; 2.2 pounds.

**Printer Parameters** • 120 lpm • 5x8 matrix thermal • 96 ASCII char set • 40 column at 10 cpi • 6 lpi • 4.9-inch friction platen • employs 83-foot thermal roll paper.

**Communications** • 100 to 9600 bps • ASCII code • RS-232C interface.

**Features/Options** • graphics capabilities vert format control; top of form control; print/plot graphics mode; wraparound mode • optional Centronics parallel interface; optional Atari/Commodore interface; optional Texas Instruments interface.

**Price/Service** • \$99.95 single-unit purchase price with Atari or Commodore interface; \$119.95 with TI interface • 90-day warranty • OEM Model 1842 prices available • contact vendor.

##### □ Alphacom 81

**Configuration** • RO • single line buffer • 3.5 x 8.74 x 13.11 inches; 4.5 pounds.

**Printer Parameters** • 80 cps • 5x8 matrix thermal • 96 ASCII char set • 80-column at 10 cpi • 6 lpi • 8.75 friction platen • employs 83-foot thermal roll paper.

**Communications** • 100 to 9600 bps • ASCII code • RS-232C interface.

**Features/Options** • graphic capabilities vert format control; top-of-form control; print/plot graphics mode; wraparound mode • optional Atari/Commodore and optional Texas Instruments interfaces; optional Centronics parallel interface.

**Price/Service** • \$169.95 single-unit purchase price; \$44.95 Atari/Commodore interface cable; \$59.95 TI interface cable • 90-day warranty • OEM Model 8125 prices available • contact vendor.

#### ■ AMERICAN DATACOM

16931 Milliken, Irvine, CA 92714 • 714-863-3000.

##### □ AD/300

**Configuration** • ASR • 4K to 20K edit buffer with backup battery • paper tape reader and punch • typewriter-style keyboard with numeric keypad • 5.85 x 17.94 x 20.87 inches; 37 pounds.

**Printer Parameters** • 30 to 45 cps • 9x9 matrix impact • 96 ASCII char set • 80 columns at 10 cpi; 132 columns at 13.2 cpi • 6 lpi • horz tab • 8.5-inch friction/sprocket feed platen • operator-changeable cartridge ribbon.

**Communications** • 50/110/300 bps • ASCII code • half-/full-duplex • RS-232C interface • integral dual line auto-answer/originate AT&T 1031 TWX/DDD modem.

**Features/Options** • top-of-form control; dual TLX and TWX answerbacks; programmable dial keys; automatic over-type protection • optional expandable memory.

**Price/Service** • \$4,200 to \$4,800 single-unit purchase price • \$110 to \$150 per mo 1-yr rental • \$35 per mo maint.

##### □ AD Supertex 401

**Configuration** • ASR • 48K dynamic memory with battery backup • paper tape reader and punch • typewriter-style keyboard with numeric keypad.

**Printer Parameters** • 120 cps • 9x7 matrix impact; thermal • 96 ASCII char set • 80 columns at 10 cpi • tractor feed platen.

**Communications** • same as AD 303 • see above.

**Features/Options** • 24-line menu driven display; status block; message log, scan; word processing; word wrap/unwrap; auto-send; delayed dial; EZ codes (stores up to 20 numbers for redial); self-test; battery backup.

**Price/Service** • \$1,995/\$2,195/\$2,395 single unit purchase price (thermal/dot matrix/letter quality) • \$183/\$201/\$220 per mo 1-yr lease.

##### □ AD Supertex 450c

**Configuration** • ASR • 32K dynamic memory • paper tape reader and punch • typewriter-style keyboard with numeric keypad • 5.24 x 14.21 x 12.91 inches.

**Printer Parameters** • same as AD Supertex 401 • see above.

**Communications** • same as AD/300 • see above.

**Features/Options** • line concurrency; 24-line menu driven display; status block; message log, scan; word processing; word wrap/unwrap; auto-send; delayed dial; EZ codes (stores up to 20 numbers for redial); self-test; battery backup • optional additional lines; optional letter quality; optional memory expandable to 96K bytes; optional forms package.

**Price/Service** • \$3,695/\$3,995 single-unit purchase price (32K/96K) • \$339/\$367 per mo 1-yr rental.

#### ■ ANADEX INC

1001 Flynn Road, Camarillo, CA 93010 • 805-987-9660.

##### □ Anadex Model DP-9000B AN Printer

**Configuration** • RO • 700-/2K-char buffer.

**Printer Parameters** • 180/216/240 cps 9x9/7x9/7x9 matrix impact • 96 ASCII char set • 132/158/176 columns at 10/12/13.3 cpi or 66/78/88 columns at 5/6/6.6 cpi (double-width chars); or 80/96/106 columns at 10/12/13.3 cpi 9.5-inch adj tractor platen • horz and vert tabs • operator-changeable ribbon cartridge.

**Communications** • 50 to 9600 bps • full-duplex • ASCII code • RS-232C interface • STX/ETX, EOT/ETX, ACK/NAK, XON/XOFF, DC1/DC3 protocol • answerback.

**Features/Options** • 40/48/53 columns at 5/6/6.6 cpi double-width chars; vertical format control; top-of-form control; self-test; bidirectional print; 60 horz x 72 vert graphics • optional serial interface.

**Price/Service** • \$1,200 single-unit.

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### Anadex Model DP-9001B AN Printer

**Configuration** • same as DP-9000B.

**Printer Parameters** • 150/188/225/250 cps 11x9/7x9/7x9/7x9 matrix impact • 96 ASCII char set • 132/158/198/221 columns at 10/12/15/16.7 cpi • 6/8 lpi • 9.5-inch pin-feed platen • horz and vert tabs • operator-changeable ribbon cartridge.

**Communications** • same as DP-9000B.

**Features/Options** • 66/78/99/106 columns at 5/6/7.5/8.4 cpi double-width char; bidirectional print/plot graphics • optional serial interface.

**Price/Service** • \$1,200 single-unit.

### Anadex Model DP-9500B AN Printer

**Configuration** • RO • 600-/2K-char buffer.

**Printer Parameters** • 180/216/240 cps 9x9/7x9/7x9 matrix impact (cpi-dependent) • 96 ASCII char set • 132 columns at 10 cpi, 158 columns at 12 cpi and 176 columns at 13.3 cpi • 6/8 lpi • horz tab.

**Communications** • 50 to 9600 bps • half-/full-duplex • ASCII code • RS-232C interface • STX/ETX, DC1/DC3 protocol.

**Features/Options** • bidirectional print/plot • optional serial interface.

**Price/Service** • \$1,280 single-unit • third-party maintenance.

### Anadex Model DP-9501B AN Printer

**Configuration** • same as Anadex Model DP-9500B.

**Printer Parameters** • 150/180/225/250 cps 11x9/7x9/7x9/7x9 matrix impact (cpi-dependent) • 96 ASCII char set • 132 columns at 10 cpi, 165 columns at 12.5 cpi, 198 columns at 15 cpi and 220 columns at 16.7 cpi • 6/8 lpi • horz tab • vert format control • bidirectional print/plot.

**Communications** • same as Anadex Model DP-9500B.

**Features/Options** • vert format control • bidirectional print/plot • optional serial interface.

**Price/Service** • same as Anadex Model DP-9500B.

### Anadex Model DP-9620B Printer

**Configuration** • RO • 1.5K (+2K opt) buffer.

**Printer Parameters** • 120/144/180/197/240 cps • 11x9/7x9/7x9/7x9 matrix impact • 96 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 198 columns at 15 cpi; 220 columns at 16.4 cpi • 6/8 lpi • 13.2-inch adj tractor platen • horz tab.

**Communications** • same as Model DP-9500B.

**Features/Options** • vert format control; bidirectional; 72 horz x 72 vert print/plot graphics • optional serial interface.

**Price/Service** • \$1,845 single-unit purchase price.

### Anadex Model DP-9625B Printer

**Configuration** • RO • 1.5K buffer.

**Printer Parameters** • 60/120/134/144/180/197/240 cps • 11x9/7x9 matrix impact • 96 ASCII char set • 132/158/198/220 columns at 10/12/15/16.4 cpi • 6/8 lpi • 13.2-inch adjustable tractor platen • horz tab.

**Communications** • same as Anadex DP-9500B.

**Features/Options** • proportional spacing; single/dual pass • correspondence/enhanced data processing quality modes; vert format control; bidirectional print/plot graphics; 72 horz/144 horz x 72 vert/144 vert graphics • optional serial interface; optional 2K buffer.

**Price/Service** • \$1,500 single-unit purchase price.

### Anadex Model DP-9725B Color Printer

**Configuration** • RO.

**Printer Parameters** • 60/120/134/144/180/197/240 cps • 11x9/7x9 matrix impact • 96 ASCII char set • 132/158/198/220 columns at 10/12/15/16.4 cpi • 6/8 lpi • 13.2-inch adjustable tractor platen • horz tab • four-color ribbon.

**Communications** • same as Anadex DP-9500B.

**Features/Options** • proportional spacing; single/dual pass; correspondence/enhanced/data processing quality modes; vert format control; bidirectional print; color mix software; 72 horz/144 horz x 72 vert/144 vert graphics • optional serial interface.

**Price/Service** • \$1,625 single-unit purchase price.

### Anadex Model WP-6000 Word Scribe

**Configuration** • RO • 4.5K (up to 16K opt).

**Printer Parameters** • 125/150/170/205/230/275/285 cps (letter/corr/draft) • 96 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 220 columns at 16.7 cpi • 6/8/12/16 lpi • 13.2-inch adj friction-feed tractor platen • horz tab • vert tab.

**Communications** • half-/full-duplex • echoplex • async • RS-232C interface • XON/XOFF; ETX/ACK STX/ETX.

**Features/Options** • 72 horz/144 horz x 72 vert/144 vert addressable graphics.

**Price/Service** • \$2,700 single-unit purchase price.

### Anadex Model DP-6500 Word Scribe

**Configuration** • RO.

**Printer Parameters** • 100/110/120/250/275/300/375/420/500/540 cps • 18xN matrix impact printer • 96 ASCII char set • 132/158/198/220 columns at 10/12/15/16.4 cpi • 6/8 lpi • friction-feed • horz tab.

**Communications** • up to 19.2K bps • half-/full-duplex • echoplex • async • RS-232C interface • XON/XOFF; STX/ETX/ACK.

**Features/Options** • proportional spacing; single/dual pass; correspondence/enhanced/data processing quality modes; vert format control; bidirectional print; 72 horz/144 horz x 72 vert/144 vert graphics • optional tractor; optional sheet feeder.

**Price/Service** • \$2,995 single-unit purchase price.

### Other Sources

Anadex teleprinter terminals are also marketed by David Jamison Carlyle—see separate listings for model and pricing specifications.

### ANDERSON JACOBSON (AJ)

521 Charcot Avenue, San Jose, CA 95131 • 408-263-8520.

### AJ 650 Ink-Jet Matrix Printer

**Configuration** • RO • 132-char ring buffer and 132-char line buffer.

**Printer Parameters** • 180/200 cps 7x9 matrix ink-jet • 96 ASCII/APL char sets • 80 columns at 10 cpi; 132 columns at 16.5 cpi; 40 columns at 5 cpi; 66 columns at 8.25 cpi • 6/8 lpi • 8.5-inch friction platen • operator-changeable ink cartridge and 435-foot roll paper.

**Communications** • 1200-bps throughput • full-duplex • ASCII code • RS-232C interface • odd/even/none parity.

**Features/Options** • double-width/boldface chars; bidirectional.

**Price/Service** • \$3,400 single-unit • \$135 mo 1-yr rental • quantity discount plans available.

### AJ 830, AJ 832 & AJ 833 Printer Terminal

**Configuration** • KSR; ASR • 128-/256-char buffer • single diskette drive (AJ 460) via aux RS-232C interface; stores 204K at 1600-line x 128-char or 3200-line x 64-char formats • up to 32K nonvolatile memory (AJ 833) • typewriter-type keyboard w/numeric keypad • IBM 2741 replacement.

## Teleprinters & Attachment Printers

**Printer Parameters** • 10/15/30/45 cps daisy-wheel impact (Qume Q30/Q45) • 96 ASCII/APL/EBCDIC/OPD Corr sets • 132 columns at 10 cpi and 158 columns at 12 cpi • 6 lpi • 15-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridge.

**Communications** • 110/150/300 bps or 134.5 bps; 1200 bps (AJ 833) • half-/full-duplex • ASCII/EBCDIC/Corr codes • RS-232C interface • even/odd/none parity • answerback.

**Features/Options** • vert format control; bidirectional print/plot; operator-changeable wheel fonts.

**Price/Service** • \$2,650/\$2,495/\$3,650 (AJ 830/AJ 832/AJ 833) single-unit • \$37 mo maint • \$113/\$145/\$155 mo 1-yr rental.

### □ AJ 864

**Configuration** • KSR • 1.1K buffer • typewriter-style keyboard with numeric keypad • 10.5 x 21.4 x 23.5 inches; 43 pounds.

**Printer Parameters** • 150/180 cps (10/12 cpi) • 5x9/4x9 matrix impact (10/12 cpi) • ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 198 columns at 15 cpi; 225 columns at 17 cpi • 6 lpi • horz tab • 2- to 14.9-inch tractor platen.

**Communications** • 110 to 9600 bps • ASCII code • half-/full-duplex • even/none parity • RS-232C interface.

**Features/Options** • programmable keyboard; nonvolatile memory; international char sets; complete forms control; AT&T 103/113 or 202 modems • optional APL and graphics char sets; optional text enhancements; optional expandable memory in 16K-byte increments; optional IBM 2741 compatibility; optional EBCDIC protocol; optional mobile stand with self-contained paper supply shelf; optional paper-out sensor.

**Price/Service** • \$3,250 single-unit purchase price • \$148 per mo 1-yr lease including maintenance.

### ■ AT&T TELETYPE CORPORATION

5555 Touhy Avenue, Skokie, IL 60076 • 312-982-2000.

### □ Distribution

American Computer Group, ComData, Data Access Systems, Data Rental/Sales, David Jamison Carlyle, Eastern Terminals and Communications, Federal Communications, Loonam Computer Terminals, National Computer Communications, Qwikterm, Qytel Data Systems, RCA Service Company, Teleprinter Corporation of America, Terminal Systems, United States Instruments Rentals, and Westwood Computer Corp.

### □ AT&T Teletype Model 40 Asynchronous ROP

**Configuration** • RO • 3900-char buffer.

**Printer Parameters** • 220 to 300 lpm full-char belt impact • 64/96 ASCII char sets • 80 columns at 10 cpi or 132 columns at 10 cpi models • 9.5-inch friction/tractor or 15-inch tractor platens • horz tab.

**Communications** • 75 to 4800 bps • half-/full-duplex • ASCII code • RS-232C or 20-/60-mA current-loop interface • answerback.

**Features/Options** • vert format control

**Price/Service** • \$6,682/\$6,827/\$7,952 (80-column friction/80-column tractor/132-column tractor) single-unit • purchase only.

### □ AT&T Teletype Model 40 Synchronous ROP

**Configuration** • same as Model 40 Asynchronous ROP.

**Printer Parameters** • same as Model 40 Asynchronous.

**Communications** • 2400/4800/7200 bps • half-duplex sync • ASCII/EBCDIC code • RS-232C interface • point-to-point and multipoint private line.

**Features/Options** • vert format control.

**Price/Service** • \$6,562/\$7,687 (80-/132-column tractor feed) single-unit.

### □ AT&T Teletype Model 42 Teleprinters

**Configuration** • BSR • 16K buffer • paper tape reader and punch • typewriter-type keyboard with external numeric keypad attachment.

**Printer Parameters** • 30 cps 7x9 matrix impact • 50 CCITT char set • 80 columns at 10 cpi • 6/3 lpi • 8.5-inch friction platen.

**Communications** • 50/75/100/225 bps • half-duplex • Baudot code • 20/40/60-mA current-loop interface • answerback • simultaneous online and local operation.

**Features/Options** • not indicated.

**Price/Service** • \$3,527/\$4,912 (BSR/BASR with paper tape) single-unit • purchase only.

### □ AT&T Teletype Model 43 Teleprinters—4310, 4320 & 4330 Series

**Configuration** • RO (4310); KSR (4320); ASR (4330) • paper tape reader and punch • typewriter-type keyboard.

**Printer Parameters** • 10/30 cps 7x9 matrix impact; 47-cps burst mode • 94 ASCII char set • 80 columns at 10 cpi (friction feed); 132 columns at 13 cpi (pin-feed); 100 columns at 10 cpi (tractor feed) • 6/3 lpi • 8.5-inch friction or 12-inch pin-feed platens.

**Communications** • 110/300 bps • half-/full-duplex • ASCII code • RS-232C or 20-/60-mA current-loop interface • odd/even/none parity • answerback.

**Features/Options** • not indicated.

**Price/Service** • \$1,388/\$1,442/\$3,083 (4310/4320/4330 pin-feed) single-unit • purchase only.

### □ AT&T Teletype Model 43 Buffered Teleprinters—4340 Series

**Configuration** • ASR • 16K buffer • typewriter-type keyboard with external numeric keypad attachment.

**Printer Parameters** • 10/30 cps 7x9 matrix impact • 128 ASCII char set • 80 columns at 10 cpi (friction feed); 132 columns at 13 cpi (pin-feed); 100 columns at 10 cpi (adj tractor feed) • 6/3 lpi • 8.5-inch friction or 12-inch pin-feed platens • horz tab.

**Communications** • 110 to 1800 bps • full-duplex • ASCII code • RS-232C interface • odd/even/none parity • answerback • simultaneous send/receive.

**Features/Options** • vert format control.

**Price/Service** • \$2,977/\$3,012/\$3,110 (16K pin-feed/friction/tractor); \$3,050/\$3,085/\$3,183 (Poll/Select) single-unit.

### □ AT&T Teletype Model AP200

**Configuration** • RO • 132 char or 1000 char buffer • 8.3 x 26.4 x 23.4 inches; 72 pounds.

**Printer Parameters** • 340 cps • 7x7 matrix impact • 96 ASCII/EBCDIC char set • up to 132 columns at 10 cpi • 6 lpi • 3- to 16-inch variable tractor feed.

**Communications** • standard serial interface (SSI) • EIA RS-232C interface optional.

**Features/Options** • bidirectional, logic seeking print; 16.7/5 cpi condensed/expanded char; self-test; status indicators; paper step, forms length switches; printer status indicator; original plus 5 copies • optional 8 lpi.

**Price/Service** • \$3,868 to \$4,038 single-unit purchase price.

### □ AT&T Teletype Model T300

**Configuration** • RO • 2K buffer capacity • 12.5 x 30 x 19.6 inches; 90 pounds.

**Printer Parameters** • 200/300 lpm • daisywheel • 64/96/128 ASCII char set • up to 132 columns at 10 cpi • 6/8 lpi • 4- to 15-inch tractor feed platen.

**Communications** • 50 to 9600 bps • ASCII code • full-duplex • async • odd/even/mark/space/none • RS-232C interface • DC1/DC3.

## Teleprinters & Attachment Printers

**Features/Options** • microprocessor controlled; answerback; local storage; battery back-up; 4-digit LCD readout; original plus 5 copies • optional current-loop interface.

**Price/Service** • contact vendor.

### ■ AXIOM CORPORATION

1014 Griswold Avenue, San Fernando, CA 91340 • 213-365-9521.

#### □ Axiom EX-1601

**Configuration** • RO • one line buffer • 3.7 x 11.8 x 11 inches; 9 pounds.

**Printer Parameters** • 240 cps • 5x8 matrix electrosensitive • 96 ASCII char set • 40 columns at 5 cpi; 80 columns at 10 cpi • 6 lpi • friction feed platen.

**Communications** • 110 to 19.2K bps • ASCII code • odd/even/none parity • RS-232C/20-mA current-loop interface • DTR protocol.

**Features/Options** • electrosensitive paper; limited graphics; quiet nonimpact.

**Price/Service** • \$589 single-unit purchase price.

#### □ Axiom EX-1620

**Configuration** • RO • 8K buffer • 3.5 x 15.25 x 10.75 inches; 10.75 pounds.

**Printer Parameters** • 960 cps • 11 x 24 matrix impact • 96 ASCII char set, plus 64 symbols • 40 columns at 5 cpi; 80 columns at 10 cpi; 160 columns at 20 cpi • 6/12 lpi • friction feed platen.

**Communications** • 110 to 19.2K bps • ASCII code • odd/even/none parity • RS-232C/20-mA current-loop interface • XON/XOFF, ETX/ACK, DTR protocols.

**Features/Options** • 8K bit-map graphics buffer additional; 144x144 dots per inch dot-addressable graphics • parallel interface.

**Price/Service** • \$795 single-unit purchase price.

#### □ Axiom GP-100

**Configuration** • RO • one-line buffer • 5.5 x 16 x 9 inches; 11 pounds.

**Printer Parameters** • 50 cps • 5x7 uni-hammer matrix impact • 96 ASCII char set • 40 columns at 5 cpi, 80 columns at 10 cpi • 6 lpi • tractor platen • self-inking cassette ribbon.

**Communications** • 110 to 9600 bps • ASCII code • odd/even/none parity • RS-232C interface • DTR.

**Features/Options** • 72x72 dots per inch dot-addressable graphics • can directly connect to all Atari models, Texas Instruments 99/4A, Apple II, Ile.

**Price/Service** • \$279 single-unit purchase price.

#### □ Axiom GP-550

**Configuration** • RO • 4.5 x 16.5 x 12 inches; 12 pounds.

**Printer Parameters** • 86 cps • 9x16 matrix impact • 96 ASCII plus 44 symbols char set • 80 columns at 10 cpi; 96 columns at 12 cpi; 136 columns at 16.5 cpi • 6/7.5/8/12 lpi • pin or friction-feed platen • self-inking cassette ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • 120x120 dots per inch dot-addressable graphics; 18 resident character sets, including 12 correspondence quality sets; dual paper feed; proportional spacing; connects directly to IBM PC; all Atari models; Texas Instruments 99/4A; Apple II, Ile.

**Price/Service** • \$339 single-unit purchase price.

#### □ Axiom GP-700AT/GP-700TI

**Configuration** • RO • 4.5 x 17.75 x 12.6 inches; 13 pounds.

**Printer Parameters** • 50 cps • 5x8 matrix impact • 96 ASCII plus

20 graphic symbols char set • 80 columns at 10 cpi; 40 columns at 5 cpi • 6/8 lpi • pin- or friction-feed platen • 4 color cassette ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • automatic single-pass color mixing 4-color cassette ribbon • connects directly to IBM PC, all Atari models, Texas Instruments 99/4A.

**Price/Service** • \$599 single-unit purchase price.

#### □ Axiom IMP-4Q

**Configuration** • RO • 2K character buffer; 2K ROM programmable • 6 x 17.5 x 6 inches; 14 pounds.

**Printer Parameters** • 100/132 cps • 7x9 matrix impact • 96 ASCII plus 64 graphics symbols • 40 columns at 5 cpi; 80 columns at 10 cpi; 96 columns at 12 cpi; 136 columns at 16.5 cpi • 6/8 lpi • pin- or friction-feed platen.

**Communications** • 110 to 19.2K bps • ASCII code • odd/even/none parity • RS-232C/20-mA current-loop interface • XON/XOFF, ETX/ACK, DTR.

**Features/Options** • bidirectional print; full vert control; up to 144x144 dots per inch graphics; quad density graphics; parallel interface.

**Price/Service** • \$749 single-unit purchase price.

### ■ THE BRAEGEN CORPORATION

525 LosCoehes Street, Milpitas, CA 95035 • 408-945-1900.

#### □ Braegen 8562

**Configuration** • RO • 8 x 22 x 18 inches; 47 pounds • IBM 3287 Model 2 compatible.

**Printer Parameters** • 200/50 cps (draft/corr) • 7x9 matrix impact • 96 ASCII/7 International char sets • 132 columns at 10/12/13.2/15/16.5 cpi • 3/4/6/8/12 lpi • adj friction/tractor platen • operator-changeable cartridge ribbon.

**Communications** • attaches to Braegen 8500 Series controller.

**Features/Options** • demand document capability; user- or program-controlled parameter selections; tabbing and margin control; nonvolatile parameter storage; original plus 5 copies.

**Price/Service** • contact vendor.

#### □ Braegen 8567

**Configuration** • RO • 8 x 22.8 x 18 inches; 47 pounds • IBM 3287 Model 2 compatible.

**Printer Parameters** • 200/50 cps (draft/corr) • 7x8 matrix impact • 96 EBCDIC char set • 132 columns at 10/12/16.5 cpi • 3/4/6/8/12 lpi • adj friction-/tractor-feed platen • operator-changeable cartridge ribbon.

**Communications** • attaches to Braegen 8500 Series controller.

**Features/Options** • supports SNA, SCS (LU1), and 3270 CDS (LU3); local and remote diagnostics; downline loadable firmware; original plus 5 copies.

**Price/Service** • contact vendor.

#### □ Braegen 8571

**Configuration** • RO • 36 x 28.8 x 26.8 inches; 240 pounds • IBM 3262 Model 13 compatible.

**Printer Parameters** • 400 lpm • impact/band • 64/96 EBCDIC char set • 132 columns at 10/15 cpi • 6/8 lpi • adj pin-feed tractors • operator-changeable cartridge ribbon.

**Communications** • same as Braegen 8567 • see above.

**Features/Options** • power-up and user initiated diagnostics; line and page length selection; LCD status display; original plus 5 copies.

**Price/Service** • contact vendor.



## Teleprinters & Attachment Printers

### □ Braegen 8573

**Configuration** • RO • 49 x 34 x 27 inches; 450 pounds • IBM 3203 Model 5 compatible.

**Printer Parameters** • 1200 lpm • impact band • 64/96 EBCDIC char set • 132 columns at 10 cpi • 6/8 lpi • adj pin-feed tractors • reversible towel ribbon.

**Communications** • same as Braegen 8562 • see above.

**Features/Options** • power-up and user initiated diagnostics; powered paper stacker; LCD status display; line counter; automatic impact adj form thickness; original plus 5 copies.

**Price/Service** • contact vendor.

### ■ CAL DATACOM INC—See AMERICAN DATACOM

### ■ CENTRONICS DATA COMPUTER

1 Wall Street, Hudson, NH 03051 • 603-833-0111.

### □ Distribution

Leasametric.

### □ Centronics 351

**Configuration** • RO • 2K buffer • 8 x 22 x 18 inches; 47 pounds.

**Printer Parameters** • 200 cps • 7x9 matrix impact • 96 ASCII/7 international char sets • 132 columns at 10 cpi • vert tab • horz tab • 6/8 lpi • 3- to 15-inch adj tractor platen • cartridge ribbon.

**Communications** • 50 to 19.2K bps • ANSI code • odd/even/none parity • RS-232C interface • XON/XOFF DTR protocols • Centronics parallel interface.

**Features/Options** • pin-addressable graphics; 6-part forms handling; bidirectional print, logic seeking print; additional 96-char alternate set; subscript/superscript; auto-line feed; self-test; self-diagnostics; alarms; operator-changeable printhead; VFU • optional RS-422/20-mA current-loop interface; optional colors; optional interface cables.

**Price/Service** • available through distributors only.

### □ Centronics 352

**Configuration** • RO • 2K buffer • 8 x 22 x 18 inches; 47 pounds.

**Printer Parameters** • 200 cps • 7x8 matrix impact • 96 ASCII/7 international char sets • 132 columns at 10 cpi • vert tabs • 6/8 lpi • 3- to 15-inch tractor platen • cartridge ribbon.

**Communications** • 50 to 19.2K bps • 703/704 and ANSI codes • odd/even/none parity • RS-232C interface • XON/XOFF DTR protocols • Centronics parallel interface.

**Features/Options** • same as Centronics 351 • see above.

**Price/Service** • available through distributors only.

### □ Centronics 353-3 & 353-4

**Configuration** • RO • 4K buffer • 8 x 22 x 18; 47 pounds.

**Printer Parameters** • 200/50 cps • 7x9/15x16 matrix impact (draft/corr) • 96 ASCII/7 international char sets • 132 columns at 10 cpi • horz tabs • vert tabs • 3/4/6/8/12 lpi • 3- to 15-inch tractor platen • cartridge ribbon.

**Communications** • same as Centronics 352 • see above.

**Features/Options** • pin-addressable graphics; 6-part forms handling; bidirectional print, logic seeking print; additional 96 char alternate set; subscript/superscript; auto-line feed; self-test; self-diagnostics; alarms; operator-changeable printhead; VFU; downline loadable 191 char set; user-selectable or program-controlled parameter selection; 3-digit liquid crystal display to facilitate parameter selection; top and bottom margin; nonvolatile parameter storage via control panel • optional RS-422/20/60-mA current-loop interface; optional colors; optional interface cables.

**Price/Service** • available through distributors only.

### □ Centronics 357

**Configuration** • RO • 2K buffer • 8.7 x 23 x 22.3 inches; 50 pounds.

**Printer Parameters** • 400 cps • 7x8 matrix impact • 96 ASCII/7 international char sets • 132 columns at 10 cpi • vert tabs • 6/8 lpi • 3- to 15-inch adj tractor feed platen • cartridge ribbon.

**Communications** • same as Centronics 352 • see above.

**Features/Options** • pin-addressable graphics; 6-part forms handling; bidirectional print, logic seeking print; additional 96-char alternate set; subscript/superscript; auto-line feed; self-test; self-diagnostics; alarms; operator-changeable printhead; VFU • optional 20-mA current-loop interface; optional colors; optional interface cables.

**Price/Service** • available through distributors only.

### □ Centronics 358

**Configuration** • RO • 4K buffer • 8.7 x 23 x 22.3 inches; 50 pounds.

**Printer Parameters** • 400/200 cps (draft/corr) • 7x9 matrix impact • 96 ASCII/7 international char sets • 132 columns at 10 cpi or 132 columns at 10/12 cpi (Model 358-3, -4 only) • horz tabs • vert tabs • 3/4/6/8/12 lpi • 3- to 15-inch adj tractor platen • cartridge ribbon.

**Communications** • same as Centronics 352 • see above.

**Features/Options** • pin-addressable graphics; 6-part forms handling; bidirectional print, logic seeking print; multipass (Model 358-1, -2); 4 or 7 color printing (Model 358-3, -4 only); additional 96-char alternate set; subscript/superscript; auto-line feed; self-test; self-diagnostics; alarms; operator-changeable printhead; VFU; downline loadable 191 char set; user-selectable or program controlled parameter selection; 3-digit liquid crystal display to facilitate parameter selection; top and bottom margin; nonvolatile parameter storage via control panel • optional 20-/60-mA current-loop interface; optional colors; optional interface cables.

**Price/Service** • available through distributors only.

### □ Centronics Linewriter 400

**Configuration** • RO • 36 x 29 x 27 inches; 240 pounds.

**Printer Parameters** • 400 lpm • band printer • 48/64/96/128 ASCII char sets; 132 columns at 10 cpi 48/64 char sets; 132 columns at 15 cpi • 6/8 lpi, operator selectable • 4- to 15-inch platen • cassette ribbon.

**Communications** • Centronics parallel; RS-232C/422/433/449; 7-bit ASCII with DAVFU interfaces.

**Features/Options** • 8 selectable diagnostic routines; statistical band capability; 6/8/12 lpi host selectable; up to 6-part forms • optional 136 column; optional airline/common carrier packaging; optional large diversified print band library.

**Price/Service** • available through distributors only.

### ■ COMPUTER DEVICES INC (CDI)

749 Middlesex Turnpike, Notting Lake, MA 01865 • 617-663-4980.

### □ CDI Miniterm—Models 1201 & 1202

**Configuration** • RO (1201); KSR (1202) • 45/80/132-char line; 2040-/4080-char page buffers • TTY/typewriter/numeric-mode keyboard.

**Printer Parameters** • to 50 cps 5x7 matrix thermal • 96 ASCII/APL char sets • 80 columns at 10 cpi and 132 columns at 16.3 cpi • 6 lpi • 8.75-inch friction platen • top-of-form control (1201) • employs 100-/150-ft roll thermal paper.

**Communications** • 110/150/300 or 110/300/1200 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/mark parity • answerback.

**Features/Options** • print/plot capability.

## Teleprinters & Attachment Printers

**Price/Service** • \$595 single-unit purchase price (refurbished basis only) • \$18/\$18 mo maint.

**CDI Miniterm—Model 1203 Portable**

**Configuration** • KSR portable • 45-char line; 2040-/4080-char page buffers • TTY/typewriter/numeric-mode keyboard.

**Printer Parameters** • 10/15/30 cps 5x7 matrix thermal • 96/126 ASCII/APL char sets • 80 columns at 10 cpi and 132 columns at 16.3 cpi • 6 lpi • 8.75-inch friction platen • employs 100-/150-ft roll thermal paper.

**Communications** • 110/150/300 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • integral acoustic coupler • odd/even/mark parity • answerback.

**Features/Options** • print/plot capability.

**Price/Service** • \$595 single-unit purchase price (refurbished basis only) • \$18 mo maint • \$90 mo 1-yr rental.

**CDI Miniterm 2000 Series—Models 2100/2200/2300/2312/2320**

**Configuration** • RO (2100); KSR portable/desktop • 120-cps buffer • 2K/4K RAM w/battery • 8K ROM • TTY/typewriter/APL keyboard.

**Printer Parameters** • 160 cps 5x10 matrix thermal • 96/128 ASCII/APL char set • 80 columns at cpi and 132 columns at 18.4 cpi • 6 lpi • 8.75-inch friction platen • horz tab.

**Communications** • 110 to 9600 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/mark parity • XON/XOFF protocol • answerback.

**Features/Options** • bidirectional print/plot capability • 300-/1200-bps AT&T 103 modem, coupler and carrying case (2300); 300-/1200-bps AT&T/Vadic 3400 modem, coupler and carrying case (2320); 300-/1200-bps AT&T 103/212 modem with RJ-11 connector, 103 coupler and carrying case (2312) • optional graphics; optional APL or International char sets.

**Price/Service** • \$1,195/\$1,395/\$1,695/\$2,195/\$2,195 single-unit purchase price (2100/2200/2300/2320/2312).

**Distribution** • Carterfone Communications Corp; Continental Resources, Inc.

**COMPUTER PRINTERS INTERNATIONAL (COMPRINT)**

340 East Middlefield Road, Mountainview, CA 94043 • 415-969-6161.

**Comprint 912-S**

**Configuration** • RO • 256 char buffer • 5.75 x 15.23 x 13.5 inches; 15 pounds.

**Printer Parameters** • 225 cps 9x12 matrix electrosensitive • 96 ASCII char set • 80 columns at 11 cpi • 5.8 lpi • 8.5-inch friction platen • employs 300-ft roll aluminum-coated electrosensitive paper.

**Communications** • 110 to 4800 bps • half-duplex • ASCII code • RS-232C or 20-mA current-loop interface.

**Features/Options** • unidirectional; interpage spacing; self-test; alarms • optional 2048-char buffer.

**Price/Service** • \$495 single-unit • third-party maint • quantity discounts available.

**Comprint 912-P**

**Configuration** • RO • 256-char buffer • 5.75 x 15.23 x 13.5 inches; 15 pounds.

**Printer Parameters** • 225 cps; 9x12 matrix electrosensitive • 96 ASCII char set • 80 columns at 11 cpi • 5.8 lpi • 8.5-inch friction feed platen • employs 300-foot roll aluminum-coated electrosensitive paper.

**Communications** • Centronics parallel interface.

**Features/Options** • unidirectional print; interpage spacing; self-test; alarms • optional 2048-char buffer.

**Price/Service** • \$495 single-unit purchase price.

**Comprint 912-GO Graphics Printers**

**Configuration** • RO • 2K buffer • 5.75 x 15.23 x 13.5 inches; 15 pounds.

**Printer Parameters** • 32 dot rows per second • moving head electroresistive 12-element bi-column head, unidirectional printing • 100 dots per inch horz or vert • 8.5-inch friction platen • employs 300-foot aluminum-coated electrosensitive roll paper.

**Communications** • 8-bit parallel interface.

**Features/Options** • self-test; alarms • optional RS-232C/20-mA current-loop interface or optional Centronics parallel interface.

**Price/Service** • \$995 single-unit purchase price.

**Other Sources**

Computer Printers International teleprinter terminals are also marketed by Northeast Services—see separate listings for model and pricing specifications.

**COMPUTER TRANSCEIVER SYSTEMS INC (CTSI)**

P.O. Box 15, East 66 Midland Avenue, Paramus, NJ 07652 • 201-261-6800.

**CTSI Execuport 4000**

**Configuration** • KSR • typewriter-style keyboard with numeric keypad • portable with integral carrying case and cover.

**Printer Parameters** • 40 cps • 5x7 matrix thermal • 95 ASCII/APL char sets • 80/136 columns at 10 cpi • 6/24 lpi • 8.75- to 14.9-inch friction feed platen • horz tab.

**Communications** • 110/300 bps • ASCII code • half-/full-duplex • odd/even/none parity • RS-232C interface • acoustic coupler; 103 compatible modem.

**Features/Options** • numeric column indicator; bidirectional linefeed; underscore/overscore/subscript/superscript; parity error detection.

**Price/Service** • contact vendor.

**CTSI Execuport 4120/4120 BSR**

**Configuration** • KSR • 4K char buffer • typewriter-style keyboard.

**Printer Parameters** • 120 cps • 1x16 matrix thermal • 95 ASCII/APL char sets • 80/136 columns at 10 cpi • 6 lpi • 8.75 friction feed platen • horz tab • employs 100-foot thermal paper.

**Communications** • 50 to 9600 bps • ASCII code • half-/full-duplex • odd/even/mark/space parity • RS-232C interface • 3400/300 acoustic/direct or 212/103 direct connect (103 acoustic) modem • XON/XOFF.

**Features/Options** • terminal status retained in nonvolatile memory; print position indicator; 135/233 double width/compressed char; bidirectional print; stores two telephone numbers for auto-dial; rotary or tone dial.

**Price/Service** • contact vendor.

**CTSI Execuport 420**

**Configuration** • RO • 2K buffer • 4.5 x 14 x 12 inches; 12 pounds.

**Printer Parameters** • 30 cps • 1x7 matrix impact • 128 ASCII char set • 55 columns at 10 cpi; 80 columns at 15 cpi • 2/3/4/6/8/12 lpi • friction feed platen • cartridge ribbon.

**Communications** • 110/300/1200/9600 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C/20-mA current-loop interface • SRTS/CTS DC3/DC1.

**Features/Options** • microprocessor based; nonvolatile configuration; diagnostics; graphics.

**Price/Service** • contact vendor.

## Teleprinters & Attachment Printers

### □ CTSI Execuport 430

**Configuration** • KSR • 256 char buffer • typewriter-style keyboard • 4.5 x 14 x 12 inches; 12 pounds.

**Printer Parameters** • same as Execuport 420 • see above.

**Communications** • 110/150/300/450/600/1200 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C/20-mA serial or current-loop interface • SRTS/CTS DC3/DC1.

**Features/Options** • microprocessor based; nonvolatile configuration; diagnostics; answerback; graphics.

**Price/Service** • contact vendor.

### □ CTSI Execuport 440

**Configuration** • same as Execuport 430 • see above.

**Printer Parameters** • same as Execuport 420 • see above.

**Communications** • 110/150/300/450/600/1200 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C/20-mA serial or current-loop interface • built-in AT&T 103 modem.

**Features/Options** • microprocessor-based; nonvolatile configuration; diagnostics; answerback; graphics • optional carrying case; optional acoustical coupler; optional RJ11C interface.

**Price/Service** • contact vendor.

### □ CTSI Execuport 443

**Configuration** • ASR • 256 char buffer • 16K memory • typewriter-style keyboard • programmable • 4.5 x 14 x 12 inches; 12 pounds.

**Printer Parameters** • same as Execuport 420 • see above.

**Communications** • 110/150/300/450/600/1200 bps • ASCII code • half-/full-duplex • asynchronous • odd/even/mark parity • RS-232C/20-mA current-loop interface • XON/XOFF SRTS/CTS DC4/DC2 • acoustic coupler • AT&T 103 modem.

**Features/Options** • compatible with Telex I/Telex II; programmable; answerback; originate, auto-answer • optional RJ 11C; optional battery backup; optional Lo paper indicator.

**Price/Service** • contact vendor.

### ■ COMPUTERWISE, INC

4006 East 137th Terrace, Grandview, MO 64030 • 816-765-3330.

### □ Trans Term 3

**Configuration** • KSR • 53 TTY-style keyboard • 1.75 x 11.7 x 6.9 inches; 2.5 pounds.

**Printer Parameters** • 10 cps • ballpoint stylus • 64 ASCII char set • 40 column • water or oil-based ink • 2.25-inch paper.

**Communications** • 110/150/300/600/1200/2400/4800/9600 bps • ASCII code • half-/full-duplex • async • mark/space/even/odd parity • RS-232C interface.

**Features/Options** • 80 char LCD • optional AT&T 103C integral modem, auto-dial of stored 12-digit number.

**Price/Service** • \$499 single-unit purchase price • quantity discounts available • 90-day warranty, return to factory.

### ■ DATA GENERAL (DG)

Route 9, Westboro, MA 01581 • 617-366-8911.

### □ DG Dasher TP2 Terminal Printer—Models 6193 & 6194

**Configuration** • RO (6193); KSR (6194) • 256-char line buffer • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 180 cps 7x9/7x6 matrix impact • 96 ASCII/other char sets • 132 columns at 10 cpi; 220 columns at 16.5 cpi; 66 columns at 5 cpi; 110 columns at 8.25 cpi • 6/8/10 lpi • 15-inch adj tractor platen • horz and vert tabs • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps • full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/none parity.

**Features/Options** • condensed/elongated chars; top-of-form control; self-test; LED diagnostic display; bidirectional.

**Price/Service** • \$4,050/\$4,250 (6193RO/6193KSR) single-unit.

### ■ DATA INPUT PRODUCTS (DIP) INC

745 Atlantic Avenue, Boston, MA 02111 • 617-482-4214.

### □ DIP-81A

**Configuration** • RO • 800-char (2K opt) buffer • portable.

**Printer Parameters** • 100 cps 7x7/14x7 matrix impact • 96 ASCII char set • 80 columns at 10 cpi • 6 lpi • 8.5-inch friction platen • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps • ASCII/Baudot code • RS-232C/20-mA current-loop interface • DC1/DC3, XON/XOFF protocol.

**Features/Options** • 40 columns at 5 cpi double-width chars; bidirectional continuous input; self-test; top-of-form control.

**Price/Service** • \$225 single-unit purchase price.

### □ DIP-84G Printer

**Configuration** • RO • 800/2K buffer.

**Printer Parameters** • 100 cps 7x7/14x7 matrix impact • 96 ASCII char set • 80 columns at 10 cpi; 96 columns at 12 cpi; 132 columns at 16.5 cpi • 6/8 lpi • 9.5-inch friction/tractor platens • vert tab.

**Communications** • same as DIP-81.

**Features/Options** • 40 columns at 5 cpi, 48 columns at 6 cpi, 66 columns at 8.25 cpi double-width chars; vert format control; top-of-form control; self-test; bidirectional print.

**Price/Service** • \$295 single-unit purchase price.

### □ DIP-92

**Configuration** • RO • 800-char (2K opt) buffer • portable.

**Printer Parameters** • 100 cps 7x9 (14x9)/11x9 (22x9) matrix impact • 96 ASCII char set • 80 columns at 10 cpi; 96 columns at 12 cpi; 132 columns at 16.5 cpi • 6/8 lpi • 8.5 friction feed.

**Communications** • 110 to 1200 (2400/4800/9600 opt) bps • RS-232C/20-mA current-loop interface • ACK/NAK, XON/XOFF (opt).

**Features/Options** • 40 columns at 5 cpi, 48 columns at 6 cpi, 66 columns at 8.25 cpi double-width chars; top-of-form control; self-test; graphic; bidirectional print • optional tractor feed platen.

**Price/Service** • \$399 single-unit purchase price.

### ■ DATA TERMINALS & COMMUNICATIONS (DTC)

590 Division Street, Campbell, CA 95008 • 408-378-1112.

### □ DTC-380Z

**Configuration** • RO • 48K memory • 6.7 x 22.4 x 14.1 inches; 35 pounds.

**Printer Parameters** • up to 32 cps daisywheel impact • 96 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 198 columns at 15 cpi • 6/8 lpi • adj friction platen • IBM-compatible ribbon.

**Communications** • 50/75/110/134.5/150/300/600/1200/1800/2000/2400/3600/4800/7200/9600/19.2K bps • ASCII code • RS-232C/IEEE 488/Centronics parallel interfaces.

**Features/Options** • wide variety of fonts and languages; char spacing, software selectable; automatic proportional spacing; automatic centering; original and 5 copies; single sheet stop-go; bidirectional print, program-controlled • optional forms tractor paper-out sensor; optional tractor feed and auto-sheet feeder; optional APL and graphics.

## Teleprinters & Attachment Printers

**Price/Service** • contact vendor.

### DTC Style Writer

**Configuration** • RO • 35K buffer.

**Printer Parameters** • 12 cps daisywheel impact • ASCII char set • 110 columns at 10/12/15 cpi • 5/8 lpi • adj friction feed platen.

**Communications** • same as DTC 380Z • see above.

**Features/Options** • automatic proportional spacing; graphic quality; bidirectional printing; cartridge print wheel; self-test • optional 67K-byte buffer; optional APL; optional sheet feeder; optional forms tractor.

**Price/Service** • \$899 single-unit purchase price.

### ■ DATAPRODUCTS CORPORATION

6200 Canoga Avenue, Woodland Hills, CA 91365 • 213-887-8000.

### Distribution

American Peripheral Systems, Inc; Continental Resources Inc; David Jamison Carlyle; MTI Computers and Peripherals; Printer Systems Corporation.

### Dataproducts DP-35 Daisy-Wheel Terminal

**Configuration** • RO • 1000-char buffer • 8.85 x 23.8 x 17.5 inches; 53 pounds.

**Printer Parameters** • 30 cps daisy-wheel impact • 96 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi and 196 columns at 15 cpi • 6/8 lpi • 15-inch friction platen • horz tab • cartridge ribbon.

**Communications** • 300/1200/9600 bps • half-/full-duplex • ASCII code • EIA RS-232C/20-mA current-loop interface • ETX/ACK; XON/XOFF; DTR or RTS protocol.

**Features/Options** • bidirectional print; operator-changeable metal/plastic printwheel.

**Price/Service** • \$1,200 OEM quantities.

### Dataproducts D-50 Daisy-Wheel Terminals

**Configuration** • RO; KSR • 256-char buffer • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 47 cps daisy-wheel impact • 96 ASCII char set • 132 columns at 10 cpi and 158 columns at 12 cpi • 6/8 lpi • 15-inch friction/tractor platens • horz tab • vert format control • bidirectional print • operator-changeable ribbon cartridge.

**Communications** • 300/1200/3600/9600 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • ETX/ACK, DC1/DC3 and DTR or RTS protocols.

**Features/Options** • operator-changeable wheel font elements; print/plot and proportional spacing capability.

**Price/Service** • \$1,800/\$2,300 (RO/KSR) OEM quantities.

### Dataproducts DP-55 Daisy-Wheel Terminal

**Configuration** • RO • 1000-char buffer • 8.85 x 23.8 x 17.5 inches; 53 pounds.

**Printer Parameters** • 50 cps daisy-wheel impact • 96 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi and 196 columns at 15 cpi • 6/8 lpi • 15-inch friction platen • horz tab • cartridge ribbon.

**Communications** • 150 to 9600 bps • half-/full-duplex • ASCII code • EIA RS-232C/20-mA current-loop interface • ETX/ACK; XON/XOFF; DTR or RTS protocol.

**Features/Options** • operator-changeable metal/plastic printwheel.

**Price/Service** • \$1,400 OEM quantities.

### Dataproducts M-100 Matrix Printer

**Configuration** • RO • programmable.

**Printer Parameters** • 140 cps 9x9 matrix impact • 96 ASCII + 32 char sets • 132 columns at 10 cpi; 66 columns at 5 cpi; 220 columns at 16.7 cpi • 6 or 6/8 lpi • 16-inch tractor platen • operator-changeable ribbon cartridge.

**Communications** • 8-bit parallel or Centronics parallel interface.

**Features/Options** • vert format control; bidirectional print/plot; 70 horz x 84 vert graphics mode (via programmable character generator) • optional RS-232C interface.

**Price/Service** • \$2,995 single-unit, OEM-only.

### Dataproducts M-100L

**Configuration** • RO • programmable • 8 x 26.6 x 23.4 inches; 60 pounds.

**Printer Parameters** • 140 cps • 9x14 matrix impact • 96 ASCII + 32 char sets • 132 columns at 5/8.4/10/16.7 cpi • 6/8 lpi • 16-inch tractor platen • easy load cassette ribbon.

**Communications** • 8-bit parallel or Centronics parallel interface.

**Features/Options** • generates tickets, shop travellers, stock labels, picking lists, serial number tags, pricing labels, carton labels, packing lists, shipping labels; bidirectional print, logic-seeking print graphics • optional RS-232C/20-mA current-loop interface.

**Price/Service** • contact vendor.

### Dataproducts M-120 & M-200 Matrix Printers

**Configuration** • RO • 8 x 26.6 x 23.4 inches; 60 pounds.

**Printer Parameters** • 180 cps (M-120) or 340 cps (M-200) 7x7 matrix impact • 96 ASCII + 32 char sets • 132 columns at 5/10/16.7 cpi • 6/8 lpi • 16-inch tractor platen • vert format control • bidirectional print • easy load cassette.

**Communications** • 8-bit parallel or Centronics parallel interface.

**Features/Options** • bidirectional, logic-seeking • optional RS-232C interface.

**Price/Service** • \$1,685/\$1,925 (M-120/M-200) OEM quantities.

### Dataproducts B-Series—Models 300/600/1000 Band Printers

**Configuration** • RO • 1-line buffer • 15 x 30.3 x 25.2 inches; 50 pounds (300/600); 44.5 x 34.3 x 29.7 inches; 350 pounds.

**Printer Parameters** • 320/650/1100 lpm (48 char); 300/650/1025 lpm (64 char); 230/550/820 lpm (96 char) • 48/64/96 ASCII char sets • 132 columns at 10 cpi • 6/8 lpi • operator-changeable ribbon.

**Communications** • parallel interface.

**Features/Options** • operator-changeable steel print band; self-test; diagnostic display • optional RS-232C or long-line interface; optional forms length select switch and elapsed time meters.

**Price/Service** • contact vendor.

### Dataproducts BP-1500/2000

**Configuration** • RO • single-line buffer • 49 x 35.5 x 29.5 inches; 560 pounds.

**Printer Parameters** • 1500/2000 lpm (48 char); 1200/1650 lpm (64 char); 900/1100 lpm (96 char) • 48/64/96 char sets • 80 or 132 columns at 10 cpi • 6/8 lpi • towel ribbon.

**Communications** • parallel interface.

**Features/Options** • self-test; diagnostic status display; vert format control; adjustable forms thickness control; VFU four forms tractors • optional long line interface.

**Price/Service** • contact vendor.

## Teleprinters & Attachment Printers

### ■ DATAROYAL INC—See FACIT/DATAROYAL

### ■ DATASOUTH COMPUTER CORP

4740-A Dwight Evans Road, Charlotte, NC 28210 • 704-523-8500.

#### □ Distribution

Alanthus Data Communications; American Peripheral Systems, Inc; Eastern Terminals and Communications, Inc.

#### □ DS 180

**Configuration** • RO • 2K line buffer • 7 x 24 x 16 inches; 35 pounds.

**Printer Parameters** • 180 cps 7x9 matrix impact • 96 ASCII/APL char sets • 132 columns at 5/6/8.25/10/12/16.5 cpi • 6/8 lpi • 15-inch tractor platen • horz tab • interchangeable cartridge.

**Communications** • 110 to 9600 bps • ASCII/EBCDIC codes • half-/full-duplex • odd/even/none parity • RS-232C • Centronics parallel interface.

**Features/Options** • vert/horz format control; expanded or compressed print; top-of-form control; perforation skipover.

**Price/Service** • \$1,595 single-unit • purchase price; \$25 per mo maint • 90-day warranty • Nationwide Service—Xerox, Sorbus, Western Union.

#### □ DS 220

**Configuration** • RO • 2K buffer • 7 x 24 x 16 inches; 35 pounds.

**Printer Parameters** • 220/100/40 cps • 9x7/15x18/48 matrix impact (draft/memo/corr) • 96 ASCII char set • 132 columns at 5/6/7/10/12/16 cpi • 6/8 lpi • 15-inch tractor/friction platen • interchangeable cartridge ribbon.

**Communications** • 110 to 9600 bps • ASCII code • half-/full-duplex • async • odd/even/none parity • RS-232C/Centronics parallel interface • XON/XOFF, DTR protocols.

**Features/Options** • vert/horz format control; expanded or compressed print; top-of-form control; perforation skipover.

**Price/Service** • \$1,995 single-unit purchase price; \$27 per mo maint • 90-day warranty • nationwide service Xerox, Sorbus, and Western Union.

### ■ DATEL-INTERSIL INC

11 Cabot Boulevard, Mansfield, MA 02048 • 617-339-9341.

#### □ Datel-Intersil APP-48 Alphanumeric Panel Thermo-Printer

**Configuration** • RO.

**Printer Parameters** • 57.6 cps 5x7 matrix thermal • 96/88 ASCII char sets • 48 columns • 6 lpi • 5-inch friction platen • employs 150-ft roll of thermal paper.

**Communications** • 110 to 9600 bps • ASCII code • half-duplex • odd/even/none parity • RS-232C/20-mA current-loop interface.

**Features/Options** • self-test; text inversion.

**Price/Service** • \$1,095 single-unit purchase price.

### ■ DIABLO SYSTEMS/A Xerox Company

24500 Industrial Boulevard, Hayward, CA 94545 • 415-786-5000.

#### □ Distribution

Continental Resources Inc; Data Access Systems; David Jamison Carlyle; Eastern Terminals and Communications, Inc; Hamilton Rentals; Loonam Computer Terminals; MTI Computers and

Peripherals; National Computer Communications; Qwikterm Inc; Selecterm Inc; Trendata.

#### □ Diablo HyType II 1640 & 1650 Series

**Configuration** • RO; KSR • 256-/2304-char buffer • typewriter-type keyboard w/numeric keypad • IBM 2741 replacement.

**Printer** • 45 cps daisy-wheel impact • 88/92/96 ASCII/APL; PTTC/EBCD/OPD Corr sets • 132 columns at 10 cpi; 158 columns at 12 cpi • 6/3 lpi • 15.5-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps (1800 to 9600 may be substituted for 600 bps); 135 bps for 110 bps in IBM 2741 version • half-/full-duplex • ASCII; EBCDIC/OPD Corr codes • RS-232C or 20/60-mA current-loop interface • ETX/ACK, DC1/DC3; IBM 2741 protocols.

**Features/Options** • vert format control; bidirectional print; operator-changeable wheel font elements; metal print wheel (1650).

**Pricing & Other Features** • available through distributors only.

#### □ Diablo 620 Series

**Configuration** • RO • 768-/2688-char buffer • IBM 2741 replacement.

**Printer** • 20 cps daisy-wheel impact • 88/92/96 ASCII PTTC/EBCD/OPD Corr sets • 132 columns at 10 cpi; 158 columns at 12 cpi; 198 columns at 15 cpi • 6/3 lpi • 16.5-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridges.

**Communications** • 110 to 9600 bps • half-/full-duplex • ASCII; other codes • RS-232C or 20/60-mA current-loop interface • ETX/ACK, DC1/DC3 protocols.

**Features/Options** • vert format control; bidirectional print and feed; operator-changeable wheel font elements; can employ metal/plastic print wheels.

**Pricing & Other Features** • \$1,095 single-unit purchase price.

#### □ Diablo 630 Series

**Configuration** • RO; KSR • 768-/2688-char buffer • typewriter-type keyboard w/numeric keypad • IBM 2741 replacement.

**Printer** • 40 cps daisy-wheel impact • 88/92/96 ASCII; PTTC/EBCD/OPD Corr sets • 132 columns at 10 cpi; 158 columns at 12 cpi; 198 columns at 15 cpi • 6/3 lpi • 16.5-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridges.

**Communications** • 110 to 9600 bps • half-/full-duplex • ASCII; other codes • RS-232C or 20-/60-mA current-loop interface • ETX/ACK, DC1/DC3 protocols.

**Features/Options** • vert format control; bidirectional print and feed; operator-changeable wheel font elements; can employ metal/plastic print wheels; print/plot and proportional spacing capability.

**Pricing & Other Features** • \$2,700 (RO)/\$3,400 (KSR) single-unit purchase price.

### ■ DIGITAL EQUIPMENT CORPORATION (DEC)

Main Street, Maynard, MA 01754 • 617-897-5111.

#### □ Distribution

Alanthus Data Communications; American Computer Group; Continental Resources Inc; Data Access Systems; David Jamison Carlyle; Eastern Terminals and Communications; Hamilton Rentals; Kalbro Computer Sale/ICE; Leasametric; Loonam Computer Communications; Qwikterm Inc; Qytel Data Terminal; Randal Leasing Inc; Selecterm Inc; Teleprinter Corp of America; Terminal Systems; Transnet Corp; Trendata; United States Instrument Rentals; Unitronix Corp; Westwood Computer Corp.

## Teleprinters & Attachment Printers

### DEC DECwriter Correspondent (LA 12)

**Configuration** • KSR • 0.4K buffer • typewriter-style keyboard • 5.7 x 18.3 x 15.5 inches; 18 pounds.

**Printer Parameters** • 150 cps • 9x9 matrix impact • 128 ASCII/10 international char sets • 80 columns at 5.6/6.6/6.8/8.25/10/12/13.2/16.5 cpi • horz tabs • vert tabs • 2/3/4/6/8/12 lpi • 8.5 pin-feed/tractor platen • cartridge ribbon.

**Communications** • 50/75/110/134.5/200/300/600/1200/2400/4800/7200/9600 bps • ASCII code • half-/full-duplex • odd/even/mark/none parity • RS-232C/RS-423 interface • XON/XOFF protocol.

**Features/Options** • bidirectional print; 132 columns compressed printing; 2 part forms; 132x72 graphics; self-test • optional adj width tractors; optional 20-mA current-loop interface; optional external numeric keypad; optional 300-bps acoustic coupler and/or integral 300-/1200-bps modem; optional 1K buffer.

**Price/Service** • contact vendor.

### DEC Personal Printer (LA50)

**Configuration** • RO • 1K buffer • 5.6 x 16 x 11.8 inches; 18.7 pounds.

**Printer Parameters** • 200/50 cps • 7x9/13x9 matrix impact (draft/memo) 96 ASCII/11 international/VT100 char sets • 80 columns at 10/12 cpi • programmable tabs • 2/3/4/6/8/12 lpi • 8.5 friction/tractor platen.

**Communications** • 110/200/300/600/1200/2400/4800 bps • ASCII code • odd/even/mark/space/none/parity • RS-232C interface • XON/XOFF protocol.

**Features/Options** • 144/80x72 graphics; enhanced printing; bidirectional print; self-test.

**Price/Service** • contact vendor.

### DEC Letterprinter 100/Letterwriter 100 (LA100)

**Configuration** • RO/KSR • 0.4K buffer • typewriter-style keyboard with numeric keypad and function keys • 7 x 22 x 15.5 inches; 25 pounds.

**Printer Parameters** • 240/30/80 • 7x9/33x18/33x9 matrix impact (draft/letter/memo) • 128 ASCII/10 international char sets • 132 columns at 5.6/6.6/8.25/10/12/13.2/16.5 cpi • horz tabs • vert tabs • 2/3/4/6/8/12 lpi • 15-inch tractor platen • cartridge ribbon.

**Communications** • 50/75/110/134.5/200/300/600/1200/1800/2400/4800/7200/9600 bps • ASCII code • odd/even/mark/space/none parity • RS-232C interface • XON/XOFF protocol.

**Features/Options** • 132x72 graphics; 217 columns compressed print • multiple char sets; nonvolatile memory; single sheet, roll, fanfold paper, forms and labels • optional 4K-byte buffer; optional 20-mA current-loop interface.

**Price/Service** • contact vendor.

### DEC DECprinter III/DECwriter III (LA120)

**Configuration** • RO/KSR • 1K buffer • typewriter-style keyboard with numeric keypad • programmable • 33.5 x 27.5 x 24 inches; 102 pounds.

**Printer Parameters** • 180 cps • 7x7 matrix impact • 96 ASCII char set • 132 columns at 10/12/13.2/16.5 cpi • horz tabs • vert tabs • 2/3/4/6/8/12 lpi • 8-inch tractor platen • dual spool ribbon.

**Communications** • 50/75/110/134/134.5/150/300/600/1200/1800/2400/4800/7200/9600 bps • ASCII code • half-/full-duplex • odd/even/mark/space/none parity • RS-232C interface • XON/XOFF protocol.

**Features/Options** • bidirectional print; adj margins, tabs, forms; multipart forms; nonvolatile memory; 217 columns at

5/6/6.6/8.25 cpi double-width compressed char • optional 4K-byte buffer; optional modem; optional international/APL char sets; optional 20-mA current-loop interface.

**Price/Service** • contact vendor.

### DEC LQPO2 Letter-Quality Printer

**Configuration** • RO • 4K buffer • 7 x 25 x 16 inches; 48 pounds.

**Printer Parameters** • 32 cps • full-char daisywheel impact • over 100 different char sets • 132 columns at 10 cpi • variable lpi • 15-inch tractor platen • single or continuous loop ribbon.

**Communications** • 75/110/134.5/200/300/600/1200/1800/2000/2400/3600/4800/7200/9600 bps • ASCII code • full-duplex • odd/even/mark/space parity • RS-232C interface.

**Features/Options** • variable horz and vert pitches, software selectable; shadow bolding; foreign language printing; cross-product compatibility • optional acoustic coupler; optional modem.

**Price/Service** • contact vendor.

### DEC LXy 12 Graphic Lineprinter

**Configuration** • RO • 132-char buffer • 46.5 x 30 x 24.3 inches; 200 pounds.

**Printer Parameters** • 300/240 lpm • 9x7/9x9 matrix impact • 64/96 ASCII char set • 16 inches per minute • 6/8 lpi • 60 dots per inch horz, 72 dots per inch vert • 16-inch tractor/pin-feed platen.

**Communications** • parallel interface.

**Features/Options** • printing and plotting capabilities; overlapping dot technology; PLXY-11 graphics and BCP Barcode/Block software packages; 170 lines per minute double-height char; 8.3-inch/min double-density plotting.

**Price/Service** • contact vendor.

### DEC LXy 22 Graphics Lineprinter

**Configuration** • RO • 132-char buffer • 46.5 x 30 x 24.3 inches; 200 pounds.

**Printer Parameters** • 600/465 lpm • 9x7/9x9 matrix impact • 64/96 ASCII char set • 33.3 inches per minute • 5/8 lpi • 60 dots per inch horz; 72 dots per inch vert • 16-inch tractor/pin-feed platen.

**Communications** • parallel interface.

**Features/Options** • printing and plotting capabilities; overlapping dot technology; PLXY-11 graphics and BCP Barcode/Block software selectable; 320 lines per minute double-height char; 16.7-inch/double-density plotting.

**Price/Service** • contact vendor.

### ■ EPSON AMERICA

3715 Kashiwa Street, Torrance, CA 90505 • 213-534-0360.

### Distribution

David Jamison Carlyle.

### Epson RX-80

**Configuration** • RO • single line buffer • 4.25 x 14.75 x 12.13 inches; 11.25 pounds.

**Printer Parameters** • 100 cps • 9x9/18x18/6x8 matrix impact (text/bit image/graphics) • 96 ASCII char set • 80 columns at 10 cpi • 6 lpi • 4- to 10-inch tractor platen • cartridge ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • bidirectional print, logic-seeking in text mode; unidirectional print in bit image mode, superscript/subscript mode, or when programmed; programmable line spacing; 11 international char sets; 96 italic and 32 graphic chars; condensed and enlarged chars; original plus 2 copies • optional RS-232C, IEEE 488 interfaces; optional 2K-byte buffer with RS-232C interface.

## Teleprinters & Attachment Printers

**Price/Service** • contact vendor.

### Epson RX-80 F/T

**Configuration** • same as RX-80 • see above.

**Printer Parameters** • 100 cps • 9x9/18x18/6x8 matrix impact (text/bit image/graphics) • 96 ASCII char set • 80 columns at 10 cpi • 6 lpi • 4- to 10-inch friction/tractor platen • cartridge ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • bidirectional print, logic-seeking in text mode; unidirectional print in bit-image mode, superscript/subscript mode or when programmed; programmable line spacing; 11 international char sets; 96 italic and 32 graphic chars; condensed and enlarged chars; original plus 2 copies • optional RS-232C, IEEE 488 interfaces; optional removable tractor allows fanfold or sheet paper.

**Price/Service** • contact vendor.

### Epson RX-100

**Configuration** • same as RX-80 • see above.

**Printer Parameters** • 100 cps • 9x9 matrix impact • 96 ASCII char set • 132 columns at 10 cpi • 6 lpi • 4- to 10-inch friction/tractor platen • cartridge ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • same as RX-80 F/T • see above.

**Price/Service** • contact vendor.

### Epson FX-80

**Configuration** • RO • 2K buffer • 3.9 x 17.1 x 13.6 inches; 16.5 pounds.

**Printer Parameters** • 160 cps • 9x9/18x18/11x9 user-definable matrix impact • 96 ASCII char set • 80 or 132 and programmable columns at 10 cpi • horz/vert tab • 9.5- to 10-inch pin-feed platen • cartridge ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • self-test; bit image graphics; bidirectional print in text mode; unidirectional print in bit image mode; superscript/subscript when programmed; 9 international char sets; 256 programmable, downloadable chars; 40 columns at 5 cpi expanded chars; 137 columns at 17.16 cpi compressed; 68 columns at 8.58 compressed expanded chars; 96 columns at 12 cpi elite chars; 48 columns at 6 cpi elite enlarged; programmable line feed, form feed, horz tab, skipover perforation, vert tab, vert format; original plus 2 copies; reverse paper feed • optional RS-232C interface; optional adj snap-off tractor.

**Price/Service** • contact vendor.

### Epson FX-100

**Configuration** • RO • 2K buffer • 3.9 x 17.1 x 13.6 inches; 16.5 pounds.

**Printer Parameters** • 160 cps • 9x9/18x18/11x9 user definable matrix impact • 96 ASCII char set • 80 or 132 and programmable columns at 10 cpi • horz/vert tabs • 9.5- to 10-inch pin-feed platen • cartridge ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • self-test; bit image graphics; bidirectional print in text mode; unidirectional print in bit image mode; superscript/subscript when programmed; 9 international char sets; 256 programmable, downloadable chars; 40 columns at 5-cpi expanded chars; 137 columns at 17.16 bpi compressed; 68 columns at 8.58 compressed expanded chars; 96 columns at 12-cpi elite chars; 48 columns at 6-cpi elite enlarged; programmable line feed, form feed, horz tab, skipover perforation, vert tab, vert format, original plus 2 copies • optional RS-232C interface; optional adj snap-off tractor.

**Price/Service** • contact vendor.

### Epson LQ-1500

**Configuration** • RO • 2K buffer • 5.1 x 23.8 x 14.3 inches; 30.9 pounds.

**Printer Parameters** • 200/67 cps (draft/letter quality) • 9x17/15x17 matrix impact (draft/letter quality) • 96 ASCII char set • 132 columns at 10 cpi • 6 lpi • 15.5-inch friction-feed platen • cartridge ribbon.

**Communications** • Centronics parallel interface.

**Features/Options** • bidirectional print with logic seeking in text mode; unidirectional print in bit image mode; 68 columns at 5 cpi enlarged; 233 columns at 17 cpi condensed; 116 columns at 8.6 enlarged condensed; 163 columns at 12 elite; 81 columns at 6 cpi elite enlarged; 272 columns at 20 cpi elite condensed; proportional spacing; programming vert/horz tabs • optional adj sprocket pin-feed platen; optional RS-232C; IEEE 488 interfaces.

**Price/Service** • contact vendor.

### ■ EXTEL CORPORATION

4000 Commercial Avenue, Northbrook, IL 60062 • 312-291-2550.

#### Distribution

Carterfone Communications Corp; RCA Service Company; Teleprinter Corporation of America.

#### Extel ComScribe

**Configuration** • RO/KSR • 2K buffer • typewriter-style keyboard • 5x14.4x17.8 inches; 18.7 pounds.

**Printer Parameters** • 55 cps • 12x28 matrix impact • 64/96/128 ASCII; Baudot char sets • 50/69/72/74/80 columns at 10 cpi • fiction-/pin-feed platen.

**Communications** • up to 9600 bps • Baudot/ASCII codes • RS-232C/CCITT V.24/V.28 interface • integral modem.

**Features/Options** • original plus 3 copies; bidirectional print; diagnostics • optional CCITT V.21, Polar, Neutral, CCITT V.11 interfaces; optional answerback, selective calling, remote downloading, incoming char alarm, page length and margin, char changes, KSR enable, all programmable; optional 8K-byte buffer.

**Price/Service** • \$595/\$920 (RO/KSR) single-unit basic unit purchase price.

### ■ FACIT/DATAROYAL INC

235 Main Dunstable Road, Box 828, Nashua, NH 03061 • 603-883-4157.

#### Model 4510

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 100 cps • 9x9/9x15 matrix impact • ASCII char set • 80 columns at 10/12/17 cpi • 6/8/10 lpi • adj tractor platen.

**Communications** • up to 9600 bps • ASCII code • full-duplex • asynchronous • RS-232C/Centronics interfaces.

**Features/Options** • self-test.

**Price/Service** • \$495 single-unit purchase price.

#### Model 4512

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 120 cps • 9x9 matrix impact ASCII char set • 132 columns at 10/12/17 cpi • 6/8 lpi • adj tractor/pin-feed platen.

**Communications** • up to 9600 bps • ASCII code • full-duplex • asynchronous • RS-232C/Centronics parallel interfaces.

**Features/Options** • self-test; multifont capabilities.

**Price/Service** • \$995 single-unit purchase price.

## Teleprinters & Attachment Printers

### □ Models 4528T/4528V

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 165 cps • 9x9 matrix impact • ASCII char set • 80/136 columns at 10/17.2 cpi • 6/8 lpi • adj tractor platen.

**Communications** • up to 9600 bps • ASCII code • full-duplex • asynchronous • RS-232C/Centronics parallel interfaces.

**Features/Options** • self-test; bidirectional • special internal firmware for creating bar codes and large chars (4528V).

**Price/Service** • \$1,395/\$1,595 (T/V) single-unit purchase price.

### □ Models 4542/4544 Flexhammer Printer

**Configuration** • RO • 766 char to 4K buffer.

**Printer Parameters** • 250 cps • 9x14 matrix impact • 128 ASCII/APL/256 special char sets • 132 columns at 10 cpi • 6/8 lpi • horz tabs • 17.8-inch adj tractor platen • 2-color ribbon (4542) 4-color ribbon (4544).

**Communications** • ASCII code • XON/XOFF protocol • RS-232C interface.

**Features/Options** • 0.1-inch to 9.4-inch variable size chars (95 different sizes); line feed/top-of-form control; labels/barcodes/halftones; graphics; bidirectional/unidirectional print • 4544 four-color ribbon special order only.

**Price/Service** • \$3,995/\$4,695 (4522/4544) single-unit purchase price.

### □ Models 4560/4565

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 22/40 (4560/4565) cps daisywheel • ASCII char set • 132 columns at 10 cpi • 12 lpi • adj friction/tractor platen.

**Communications** • 300 to 9600 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C/CCITT V.24 interface.

**Features/Options** • optional bidirectional feed tractor platen; optional cut sheet feeder.

**Price/Service** • \$895/\$1,595 (4560/4565) single-unit purchase price.

### □ Facit 5000 Series (Models A/C/V)

**Configuration** • RO • 500 char to 2K buffer.

**Printer Parameters** • 120/150/165/285 cps • 9x9 matrix impact • 96 ASCII char set • 80/136 columns at 10/17.2 cpi • 6 or 6/8 lpi • horz tabs • 15-inch adj tractor platen • operator-changeable ribbon.

**Communications** • 110 to 9600 bps • ASCII code • XON/XOFF, DC1/DC3 protocols • RS-232C/20-mA current-loop interfaces.

**Features/Options** • top-of-form control; VFU; compressed or expanded print, 40 columns at 5 cpi; bidirectional print; graphics mode.

**Price/Service** • \$1,295/\$1,495 (A80/136 columns); \$1,595/\$1,695 (B80/136 columns); \$2,095/\$2,195 (V80/136 columns) single-unit purchase price.

### ■ FLORIDA DATA CORP

600D John Rodes Boulevard, Melbourne, FL 32935 • 305-259-4700.

### □ Florida Data OSP/120 & OSP/130 Office Systems Printers

**Configuration** • RO • 2K buffer, to 24K RAM memory.

**Printer** • 600/150/100 cps 64x90/128x360/192x360 dots/inch matrix impact • 96 ASCII char set • 8/10/12/15 cpi programmable pitch • 6/8/12/16/48 lpi • programmable horz and vert tabs • 15-inch adj pin-feed tractor platen or adj cut-sheet

paper cassette feed • operator-changeable ribbon cartridge.

**Communications** • to 19.2K bps • ASCII code • RS-232C or 20-mA current-loop interface • IBM 2770/2780/3270/3280; ETX/ACK; DC1/DC3, XON/XOFF; DTR; Burroughs Poll/Select; NCR Poll/Select; Sperry DCT 100; HIS RLP 3000 and VIP 7700 protocol.

**Features/Options** • single/double/triple pass printing (130).

**Pricing & Other Features** • \$3,900/\$4,100 (120/130) single-unit purchase price • \$80 mo maint.

### ■ FUJITSU AMERICA INC

2945 Oakmead Village Court, Santa Clara, CA 95051 • 408-727-4300.

### □ Fujitsu SP830 Serial Printer

**Configuration** • RO.

**Printer** • 80 cps daisy-wheel impact • 96/127 ASCII char sets • 136 columns at 10 cpi or 163 columns at 12 cpi • 6 lpi • 16-inch adj tractor platen • horz and vert tabs • operator-changeable ribbon cartridge (black or black/red).

**Communications** • ASCII code • RS-232C or 20-/60-mA current-loop interface.

**Features/Options** • bidirectional print/plot; operator-changeable metal/plastic wheel font elements.

**Pricing & Other Features** • contact vendor.

### ■ GENERAL ELECTRIC (GE)/Data Communications Products Business Department—See GENICOM CORPORATION

### ■ GENICOM CORPORATION

One General Electric Drive, Waynesboro, VA 22980 • 703-949-1170.

### □ Distribution

David Jamison Carlyle; Continental Resources Inc; Data Rental/Sales Inc; RCA Service Company.

### □ GENICOM Model 30 Data Communications Printer

**Configuration** • RO, KSR, ASR • single/dual cassette transport stores 100K/120K/125K per cassette • 120-cps paper tape reader; 30 cps punch • typewriter-style keyboard with numeric keypad.

**Printer Parameters** • 10/20/30/120 cps • 7x9 matrix impact • 64/96 ASCII char set • 80 columns at 10 cpi; 132 columns at 16.5 cpi • 6 lpi • 9.5-inch pin-feed platen • operator-changeable cartridge ribbon

**Communications** • 110 to 1200 bps • ASCII code • half-/full-duplex • RS-232C or 20-/60-mA current-loop interface • integral 300-/120-bps modem or acoustic coupler.

**Features/Options** • vert format control; answerback.

**Price/Service** • available through distributors only.

### □ GENICOM 200 Data Communication Printer—RO/KSR/ASR & Forms Access

**Configuration** • RO; KSR; ASR • 1K line buffer; 4K/16K/32K/48K edit buffer • single-/dual-cassette transport; stores 100K/120K/125K per cassette • 120-cps paper tape reader and 30-cps punch • single-diskette drive • typewriter-type keyboard w/numeric keypad • 11.7 x 28 x 26 inches; 88 pounds.

**Printer Parameters** • 10/20/30/120 cps 7x9 matrix impact • 96 ASCII char set • 136 columns at 10 cpi, 176 columns at 12.9 cpi, 204 columns at 15 cpi, 224 columns at 16.5 cpi • 6/8 lpi • 16.5-inch adj tractor platen • horz tab • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps • half-/full-duplex • ASCII code • RS-232C or 20-/60-mA current-loop interface • DC1/DC3 protocol.



## Teleprinters & Attachment Printers

**Features/Options** • vert format control; nonvolatile memory; original plus 8 copies; answerback • optional red/black ribbon.

**Price/Service** • \$2,270/\$2,470/\$4,045 (RO/KSR/ASR single cassette); \$2,840/\$3,020 (RO/KSR forms access) single-unit purchase price • \$125/\$136/\$182 mo 1-yr rental includes maintenance • \$38 per mo on-site maint; \$23 per mo depot • General Electric service.

### □ GENICOM Model 200 Line Printer

**Configuration** • RO • 768 or 2K char line buffer • 11.7 x 28 x 21.6 inches; 82 pounds.

**Printer Parameters** • 200 cps • 9x7 matrix impact • 96/192 ASCII char sets • 136 columns at 10 cpi • horz tabs • 6/8 lpi • 16.5-inch adj tractor platen • 25M-char reinker cartridge ribbon.

**Communications** • 110 to 9600 bps • ASCII code • RS-232C/20-mA current-loop interface • DC1/DC3 protocol • Centronics parallel interface.

**Features/Options** • 176 columns at 12.9 cpi; 204 columns at 15 cpi; 224 columns at 16.5 cpi compressed char; VFU; 9-part forms; original plus 8 copies; bidirectional print; top-of-form control; perforation skipover • optional 9x9 matrix; optional horz paper adj.

**Price/Service** • \$2,590 single-unit purchase price • \$140 per mo rental includes maint • \$49 per mo on-site maint, \$29 per mo depot maint • General Electric service.

### □ GENICOM Model 310 & 340 Line Printers & 510 Corresponder

**Configuration** • RO • 132 char or 4K line buffer • 37.8 x 66.4 x 29.32 inches; 135 pounds.

**Printer Parameters** • 115 to 425 lpm (310); 231 to 425 lpm (340); 420 lpm or 510 cps (510) • 48/64/96 ASCII (310/340); 96 ASCII/modified courier 10 font (510) char sets • horz tabs • vert tabs • 6 lpi (310/340); 4/6/8 lpi, servo-controlled • 15-inch friction/pin-feed/adj tractor platen • operator-changeable carbon (carbon/mylar 510) cartridge ribbon.

**Communications** • 150 to 9600 bps • ASCII code • odd/even/none parity • RS-232C/current-loop interface • Centronics parallel interface • XON/XOFF, DC1/DC3, DTR protocol.

**Features/Options** • VFU programmable; nonvolatile (510); cut-sheet feeder; draft/corr (510); 14 diagnostic LEDs; original plus 5 copies.

**Price/Service** • \$4,170/\$4,835/\$6,080 single-unit purchase price (310/340/510) • \$185/\$230/\$265 mo 1-yr rental includes maint • \$82/\$95 per mo on-site maint; \$65 per mo depot • General Electric service.

### □ GENICOM 2000 Series Data Communication Printers—Models 2030 & 2120

**Configuration** • RO; KSR; ASR • 612 char 2K/4K/16K line buffer; 32K text editor buffer • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 60 cps (2030) or 150 cps (2120) 7x9 matrix impact • 96 ASCII/APL char sets • 132 columns at 10 cpi, 174 columns at 13.2 cpi and 217 columns at 16.5 cpi • 2/3/4/6/8/12 lpi • 15-inch friction/adj tractor platens • horz and vert tabs • operator-changeable ribbon cartridge.

**Communications** • 110 to 4800 bps • half-/full-duplex • ASCII code • odd/even/mark/space parity • RS-232C or 20-/60-mA current-loop interface • integral modem (2030).

**Features/Options** • nonvolatile (2120); top-of-form control; self-test; bidirectional print/plot; answerback.

**Price/Service** • \$1,175/\$2,120/\$1,250/\$2,195 (2030RO/2120RO/2030KSR/2120KSR) single-unit purchase price • \$70/\$97/\$74/\$102 per mo 1-yr rental includes maint; \$25/\$35 per mo on-site maint; \$16/\$25.50 depot maint General Electric Service.

### □ GENICOM 3014/3024 Line Printers

**Configuration** • RO • 2K • 5 x 24.7 x 15.6 inches; 34 pounds.

**Printer Parameters** • 160/200 cps (3014/3024) draft; 32/40 cps (3014/3024) near-letter quality (NLQ) • 5x9/9x18/11x18 matrix impact (draft/NLQ gothic/NLQ italic) • 96 ASCII/ISO/15 international char sets plus 64 graphic symbols • 132 columns at 10/12/13.1/15/17 cpi • 6, 8, N/72, N/144 lpi • 60 to 204 x 72/144 dots per inch graphic mode • horz tabs • vert tabs • adj tractor platen • cartridge ribbon.

**Communications** • 110/300/600/1200/2400/4800/9600 bps • ASCII code • RS-232C interface • DC1/DC3 • Centronics parallel interface.

**Features/Options** • Epson MX with GRAFTRAX-PLUS and Okidata Microline 84 step 2 software compatibility; emphasized, double-strike, proportional spacing, automatic underscore, double-width (expanded) print modes; automatic superscripts/subscripts; line drawing and block graphics; dot addressable graphics; selectable forms length; perforation skipover VFU; bidirectional/unidirectional print; original plus 3 copies; optional top loading single document feeder; optional automatic sheet feeder.

**Price/Service** • \$1,199/\$1,499 (3014/3024) single-unit purchase price • \$29/\$31 per mo on-site maint; \$19/\$21 per mo depot maint • General Electric maint.

### □ GENICOM 3180/3300/3400/3184/3304/3404

**Configuration** • RO • 512 char buffer expandable to 6K bytes • programmable • 6.3 x 25 x 16.6 inches; 33 pounds.

**Printer Parameters** • 1800/200/300/400 cps (3180 draft/3300 draft/EDP/3400 draft); 180/45/200/300/100/400/100 cps (3184 draft/NLQ/3304 draft/EDP/NLQ/3404 draft/NLQ) • 5x9 at 10/12/13.1 cpi or 4x7 at 15/16.7 cpi (draft); 4x9 (EDP) matrix impact • 96 ASCII/ISO/16 international, graphics char sets • 132 columns at 10/12/13.1/15/16.7 cpi • 3/4/6/8/12 lpi • horz tabs • vert tabs • adj tractor platen • reinker cartridge ribbon.

**Communications** • 110/300/600/1200/2400/4800/9600 bps • ASCII code • odd/even/mark/space parity • RS-232C interface • XON/XOFF, DC1/DC3, ANSI X3.64 protocols • Centronics parallel interface.

**Features/Options** • EDP, draft, near-letter quality, plus 72x72/144x72/144x144 dot addressable graphics; proportional spacing; bidirectional print, logic seeking; multiple print fonts; VFU (programmable); original plus 5 copies; downline font loading; bar codes, custom fonts and char sets • optional manual or automatic sheet feeders; optional 4/7 color models; PC models with Diablo 630 and Epson GRAFTRAX-PLUS emulation.

**Price/Service** • \$2,030 to \$2,650 basic single-unit purchase price \$113 to \$143 per mo 1-yr rental includes maint • \$35 to \$45 per mo on-site maint; \$25 to \$32 depot maint • General Electric Service.

### □ GENICOM 4000 Series Matrix Line Printer

**Configuration** • RO • 1K buffer • 46 x 29 x 25 inches; 200 pounds.

**Printer Parameters** • 300/600 lpm (4030/4060) • 9x7 matrix impact • 96 ASCII/16 international/64 graphic char sets • 132 columns at 5/10/12/13.3 cpi • 3/4/6/8/12/N/144 lpi • horz tabs • 16.5-inch adj dual tractors • cartridge ribbon.

**Communications** • 110 to 19.2K bps • ASCII code • RS-232C/RS-422/current-loop interface • DC1/DC3/ANSI X3.64 protocols • Centronics, Dataproducts, Printronix parallel interface.

**Features/Options** • 12 char VFU; 6-part paper forms; draft, Italic, Gothic print styles; bar codes; 60/70/120/140/180/210 x 72/144 graphics; 33.3/66.6-inch per minute plot speed.

**Price/Service** • \$5,500/\$7,500 (4030/4060) single-unit purchase price available mid-1984.

## Teleprinters & Attachment Printers

### ■ HEATH/ZENITH COMPANY

Benton Harbor, MI 49022 • 616-982-3285.

#### □ Heath/Zenith Z-25

**Configuration** • RO • 256-char buffer.

**Printer Parameters** • 150 cps 5x7 matrix impact • 96 ASCII char set • 80 columns @ 10 cpi; 96 columns @ 12 cpi; 132 columns @ 6.85 cpi • 6/8 lpi • 9.5-inch adj pin-feed/tractor-feed platen • bidirectional • operator-changeable ribbon cartridge.

**Communications** • 110 to 4800 bps • ASCII code • RS-232C or 20-mA current-loop interface.

**Features/Options** • personal computer compatible.

**Price/Service** • \$1,495 single-unit purchase price • no leases offered • vendor maint.

#### □ Heath/Zenith Z-125

**Configuration** • RO • 256 char buffer • 8.25x26.5x18.5 inches; 62 pounds.

**Printer Parameters** • 152 cps • 9x9 matrix impact; 12x9 for graphics • 95 ASCII plus 33 graphic symbols char set • 135/162/177/222 column at 10/12/13.2/16.5 cpi • 6/8 lpi • adj tractor feed platen • cartridge ribbon.

**Communications** • 110/150/300/600/1200/2400/4800/9600 bps • ASCII code • asynchronous • odd/even/stick/none parity • RS-232C/20-mA current-loop interface.

**Features/Options** • microprocessor controlled; bidirectional print • self-test; failure indicators; personal computer compatible.

**Price/Service** • \$899 single-unit purchase price.

### ■ HEWLETT-PACKARD (HP)

1501 Page Mill Road, Palo Alto, CA 94301 • 415-857-1501.

#### □ Distribution

Data Rental/Sales Inc; Leasametric.

#### □ HP 2631A Printer & 2635A Printing Terminal

**Configuration** • RO (2631A); KSR (2635A) • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 180 cps 7x9 matrix impact • 128 ASCII char set • 136 columns at 10 cpi, 227 columns at 16.6 cpi and 68 columns at 5 cpi • 6/8 lpi • 15-inch tractor platen • horz tab.

**Features/Options** • vert format control; bidirectional print.

**Communications** • 110 to 2400 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/none parity.

**Price/Service** • \$3,600/\$3,950 (RO/KSR) single-unit • \$31/\$31 mo maint • \$198/\$217 mo 1-yr equity rental; accrues 20%.

#### □ HP 2631B & HP 2635B Printing Terminals

**Configuration** • RO (2631B); KSR (2635B) • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 180 cps 7x9 matrix impact • 128 ASCII char set • 136 columns at 10 cpi; 170 columns at 12.5 cpi; 227 columns at 16.7 cpi • programmable 1/2/3/4/6/8/9/12/18/24/36/72 lpi • 15.75-inch adj pin-feed tractor platen • horz and vert tabs • operator-changeable ribbon cartridge.

**Communications** • 150 to 9600 bps • ASCII code • full-duplex • RS-232C interface • XON/XOFF, DC1/DC3; ENQ/ACK protocol • odd/even/none parity.

**Features/Options** • vert forms control; self-test; 68 columns at 5 cpi; 85 columns at 6.25 cpi; 113 columns at 8.33 cpi; 65 columns at 4.16 cpi expanded/condensed chars; bidirectional print.

**Price/Service** • \$3,900/\$4,300 (RO 2631B/KSR 2635B) single-unit.

### □ HP—Thinkjet

**Configuration** • RO • 3.5 x 11.5 x 8.1 inches; 6 pounds.

**Printer Parameters** • 150 cps • 11x12 inkjet • ASCII char set • 80 columns at 10 cpi • adj tractor platen.

**Communications** • Centronics parallel; HP-1B; HP-12.

**Features/Options** • personal computer compatible; bold and underline; 11 additional languages; full graphics.

**Price/Service** • \$495 single-unit purchase price.

### ■ HITACHI AMERICA, LTD

100 California Street, San Francisco, CA 94111 • 415-981-7871.

#### □ Hitachi MPR-2130

**Configuration** • RO • 14.4 x 26 x 20.1 inches; 104 pounds.

**Printer Parameters** • 130 cps • 9x7 matrix impact • 64 ASCII char set • 132 columns at 10 cpi • 6 lpi • 5- to 15-inch friction or tractor platen • cassette ribbon.

**Communications** • parallel interface.

**Features/Options** • bidirectional print; original plus 5 copies • optional automatic sheet feeder; optional lowercase printing.

**Price/Service** • contact vendor.

#### □ Hitachi MPR-2180

**Configuration** • RO • 9.1 x 25.2 x 18.9 inches; 66 pounds.

**Printer Parameters** • 180 cps • 9x7 matrix impact • 64 ASCII char set • 132 columns at 10 cpi • 6 lpi • 5- to 15-inch pin-feed tractor platen • cassette ribbon.

**Communications** • parallel interface.

**Features/Options** • bidirectional print; original plus 4 copies • optional 130-cps color print; optional 4-color ribbon spool; optional graphic mode; optional front inserter; optional one-inch cut feature; optional lowercase printing.

**Price/Service** • contact vendor.

#### □ Hitachi MPR-2250

**Configuration** • RO • 9.1 x 25.2 x 18.9 inches; 66 pounds.

**Printer Parameters** • 250 cps • 9x7 matrix impact • 64 ASCII char set • 132 columns at 10 cpi • 6 lpi • 5- to 15-inch pin-feed tractor platen • cassette ribbon.

**Communications** • parallel interface.

**Features/Options** • bidirectional print; original plus 4 copies • optional 40 cps, 23x14 matrix impact with OCR-B font feature; optional graphic mode; optional lowercase printing.

**Price/Service** • contact vendor.

### ■ HONEYWELL INFORMATION SYSTEMS (HIS)

200 Smith Street, Waltham, MA 02154 • 617-895-6000.

#### □ HIS PRU1005 & TWU1005 Teleprinter Terminals

**Configuration** • RO (PRU1005); KSR (TWU1005) • 1000-char buffer • typewriter-type keyboard.

**Printer Parameters** • 120 cps 7x7 matrix impact • 96 ASCII char set • 132 columns at 10 cpi • 6 lpi • 15-inch tractor platen • horz tab.

**Communications** • 1200 bps • half-/full-duplex • ASCII code • odd/even/none/parity • RS-232C or 20-mA current-loop interface.

**Features/Options** • vert format control.

**Price/Service** • \$3,390/\$3,600 (PRU1005/TWU1005) single-unit • \$50/\$51 mo maint • \$183/\$193 mo 3-yr rental.

#### □ HIS PRU1901 & TWU1901 Synchronous Printer Terminals

**Configuration** • RO (PRU1901); KSR (TWU1901) • 960-char buffer • typewriter-type keyboard w/numeric keypad.

## Teleprinters & Attachment Printers

**Printer Parameters** • 120 cps 7x9 matrix impact • 96 ASCII set • 132 columns at 10 cpi • 6 lpi • 15-inch tractor platen • horz tab.

**Communications** • to 4800 bps • half-/full-duplex • ASCII code • RS-232C interface • HIS VIP protocol • multipoint polling/addressing.

**Features/Options** • vert format control.

**Price/Service** • \$4,000/\$4,500 (PRU1901/TWU1901) single-unit • \$64/\$66 mo maint • \$221/\$243 mo 3-yr rental.

### □ HIS PRU7004, PRU7006, PRU7007 & PRU7009 Letter-Quality Printers

**Configuration** • RO.

**Printer Parameters** • 55 cps (PRU7004/7006), 35 cps (PRU7007/7009) matrix impact • 128 ASCII char set • 10/12 cpi.

**Communications** • full-duplex • ASCII code • RS-232C (7006/7007); 20-mA current-loop interface (7004); RS-422A (7009).

**Features/Options** • Courier 72-font thimble; proportional spacing.

**Price/Service** • \$5,300 single-unit purchase price (PRU7004/7006) • \$2,450 single-unit purchase price (PRU7007) • \$1,800 dual-sheet feeder • \$400 forms tractor for PRU7004/7006.

### □ HIS PRU7070 & PRU7071 Printer Terminals

**Configuration** • RO.

**Printer Parameters** • 100 cps 9x7 matrix impact • 96 ASCII char set • 80 columns at 10 cpi; 132 columns at 16.7 cpi • 6/8 lpi • 10-inch platen.

**Communications** • 1200 or 9600 bps • ASCII code • odd/even parity • 20-mA current loop (7060); RS-422 (7070) interfaces • flow control protocol.

**Features/Options** • expanded/double-width char; bidirectional print; line graphics; underline; original plus 2 copies.

**Price/Service** • \$1,195 single-unit purchase price; \$67 per mo 3-yr rental; \$18.50 per mo maint • customer installable; \$14.60 per mo dispatch maint; \$10.50 per mo mail-in maint.

### □ HIS PRU7075 & PRU7076 Printer Terminals

**Configuration** • RO.

**Printer Parameters** • 100 cps 9x7 matrix impact • 96 ASCII char set • 132 columns at 10 cpi; 220 columns at 16.7 cpi • 6/8 lpi • 15-inch platen.

**Communications** • 1200 to 9600 bps • ASCII code • odd/even parity • 20-mA current-loop (PRU7065); RS-422 (PRU7075); RS-232C (7076) interfaces • flow control protocol.

**Features/Options** • bidirectional print; selectable forms length; line graphics; underline; double-width char; original plus 2 copies.

**Price/Service** • \$1,495 single-unit purchase price; \$83 per mo 3-yr rental; \$23 per mo maint • customer installable; customer assisted maint \$17 per mo dispatch maint; \$11.25 per mo maint mail-in maint.

### □ HIS PRU7170 & PRU7171 Printer Terminals

**Configuration** • RO.

**Printer Parameters** • 150 cps • 9x11 matrix impact • 96 ASCII char set plus 64 tall char, 63 mosaic symbols • 132 columns at 10 cpi; 158 columns at 12 cpi; 220 columns at 16.7 cpi • 6/8 lpi • 15-inch platen • horz tabs.

**Communications** • 1200/1800/2400/9600 bps • ASCII code • parity error detect with LRC prints error symbol or retransmit request • RS-422A/RS-232C (7170/7171) interfaces • flow control protocol.

**Features/Options** • 72x70 density dot graphics; 12 lpi for graphics; bidirectional print; original plus 4 copies; selectable

form length plus vert tabs • double-width char, slanted (italic-like), bold-style char; underline.

**Price/Service** • \$1,795 single-unit purchase price; \$95 per mo 3-yr rental; \$27.90 per mo maint • customer installable; customer assisted maint \$23 per mo dispatch maint; \$18.35 per mo mail-in maint.

### □ HIS PRU7270 & PRU7271 Printer Terminals

**Configuration** • RO.

**Printer Parameters** • 400 cps • 7x7 matrix impact • 96 ASCII char set • 132 columns at 10 cpi • 6/8 lpi • 15-inch platen.

**Communications** • 1200/1800/2400/9600 bps • ASCII code • parity error detect with LRC prints error symbol or retransmit request • RS-422A/RS-232C (7270/7271) interfaces • flow control protocol.

**Features/Options** • double-width char; bidirectional print; original plus 4 copies; selectable form length plus 10 vert tabs; international char sets.

**Price/Service** • \$3,450 single-unit purchase price; \$165 per mo 3-yr rental; \$37.50 per mo maint • customer installable; customer assisted maint \$29 per mo dispatch maint; \$21 per mo mail-in maint.

### ■ IBM/Data Processing Division—See INTERNATIONAL BUSINESS MACHINES

### ■ ICE INCORPORATED—See KALBRO COMPUTER SALES

### ■ INFOSCRIBE INCORPORATED

2720 South Croddy Way, Santa Ana, CA 92704 • 704-641-8595.

### □ Infocriscribe Model 500 DataScribe

**Configuration** • RO • 400-char buffer • programmable • 7.22 x 25.74 x 15.16 inches; 37 pounds.

**Printer Parameters** • 150/75 cps (draft/corr) • 9x9/18x9 (draft/corr) matrix impact • 96 ASCII/alternate char sets • 136 columns at 10 cpi; 163 columns at 2 cpi; 224 columns at 16.5 cpi • 6/8 lpi • vert tabs • 16-inch adj tractor platen.

**Communications** • 110 to 9600 bps • ASCII code • half-/full-duplex • odd/even/none parity • RS-232C/20-mA current-loop interface; Centronics parallel interface • XON/XOFF protocol.

**Features/Options** • double-char, 68 columns at 5 cpi; 81.5 columns at 6 cpi; 112 columns at 8.25 cpi; self-test; top-of-form control; bidirectional print; superscripts/subscripts; original plus 5 copies • optional 3K-byte buffer.

**Price/Service** • \$1,345 single-unit purchase price; \$830 100-unit purchase price • 180-day warranty • Dow Jones nationwide service.

### □ Infocriscribe Model 700 DocuScribe

**Configuration** • RO • programmable • 7.22 x 25.74 x 15.16 inches; 37 pounds.

**Printer Parameters** • same as Model 500 DataScribe • see above.

**Communications** • same as Model 500 DataScribe • see above.

**Features/Options** • demand document printing; double-char, 68 columns at 5 cpi; 81.5 columns at 6 cpi; 112 columns at 8.25 cpi; self-test; top-of-form control; bidirectional print; superscripts/subscripts; original plus 5 copies.

**Price/Service** • \$1,895 single-unit purchase price; \$1,160 100-unit purchase price • 180-day warranty • Dow Jones nationwide service.

### □ Infocriscribe Model 1000 TextScribe

**Configuration** • RO • 3525-char buffer • programmable • 7.22 x 25.74 x 15.16 inches; 37 pounds.

**Printer Parameters** • 200/200 cps (draft/corr) • 7x9/14x9 (draft/corr) matrix impact • 96 ASCII/alternate char sets • 136

## Teleprinters & Attachment Printers

columns at 10 cpi; 163 columns at 12 cpi; 224 columns at 16.5 cpi • 6/8 lpi • vert tabs • 16-inch adj tractor platen.

**Communications** • same as Model 500 DataScribe • see above.

**Features/Options** • double char, 68 columns at 5 cpi; 81.5 columns at 6 cpi; 112 columns at 8.25 cpi; self-test; top-of-form control; bidirectional print; superscripts/subscripts; original plus 5 copies; 72x72 graphics; char set downloadable (programmable); form length switch selectable 3.5 to 14 inches.

**Price/Service** • \$1,645 single-unit purchase price; \$985 100-unit purchase price • 180-day warranty • Dow Jones nationwide service.

### □ Infoscribe Model 1100 LetterScribe

**Configuration** • RO • 3410-char buffer • 7.22 x 26.74 x 15.16 inches; 40 pounds.

**Printer Parameters** • 200/100/40 cps (draft/corr/NLQ) • 7x9/14x9/24x18 (draft/corr/NLQ) matrix impact • 96 ASCII/alternate char sets • 136/163/224 columns at 10/12/16.5 cpi (draft); 128 columns at 10 cpi (corr); 136 columns at 10 cpi (NLQ) • 6/8 lpi • vert tabs • 16-inch adj tractor platen • cartridge ribbon.

**Communications** • same as Model 500 DataScribe • see above.

**Features/Options** • double-char, 68 columns at 5 cpi; 81.5 columns at 6 cpi; 112 columns at 8.25 cpi; self-test; top-of-form control; bidirectional print; superscripts/subscripts; original plus 5 copies; 72x72/144x144 graphics; downloadable fonts • optional foreign or special char sets; optional additional font in draft or NLQ modes.

**Price/Service** • \$1,798 single-unit purchase price; \$1,061 100-unit purchase price • 180-day warranty • Dow Jones nationwide service.

### □ Infoscribe Model 1200 ColorScribe

**Configuration** • same as Model 1100 LetterScribe • see above.

**Printer Parameters** • same as Model 1100 LetterScribe • see above.

**Communications** • same as Model 500 DataScribe • see above.

**Features/Options** • 8 color printing; double-char, 68 columns at 5 cpi; 81.5 columns at 6 cpi; 112 columns at 8.25 cpi; self-test; top-of-form control; bidirectional print; superscripts/subscripts; original plus 5 copies; 72x72/144x144 graphics; downloadable fonts • optional foreign or special char sets; optional additional font in draft or NLQ modes.

**Price/Service** • \$1,195 single-unit purchase price; \$1,200 100-unit purchase price • 180-day warranty • Dow Jones nationwide service.

### □ Infoscribe Model 1400 MultiScribe

**Configuration** • same as Model 1100 LetterScribe • see above.

**Printer Parameters** • 200/100/80 (draft/corr/NLQ) cps • 7x9/14x9/24x18 (draft/corr/NLQ) matrix impact • 96 ASCII/alternate char sets • 136/163/224 columns at 10/12/16/5 cpi (draft); 128 columns at 10 cpi (corr); 136 columns at 10 cpi (NLQ) • 6/8 lpi • vert tabs • 16-inch adj tractor platen • cartridge ribbon.

**Communications** • same as Model 500 DataScribe • see above.

**Features/Options** • multifunction; proportional spacing; double char, 68 columns at 5 cpi; 81.5 columns at 6 cpi; 112 columns at 8.25 cpi; self-test; top-of-form control; bidirectional print; superscripts/subscripts; original plus 5 copies; 72x72/144x144 graphics; downloadable fonts • optional foreign or special char sets; optional additional font in draft or NLQ modes.

**Price/Service** • \$1,995 single-unit purchase price; \$1,200 100-unit purchase price • 180-day warranty • Dow Jones nationwide service.

### ■ INTERACTIVE SYSTEMS

3M Center, St. Paul, MN 55144 • 612-733-1110 (800-328-1684).

### □ Distribution

Data Rental Sales Inc.

### □ Whisper Writer 1460 Teleprinter & 1445 Keyboard

**Configuration** • RO (1460); ASR (Pkg 60) • 415-char buffer (1460); 4K-char buffer (1445) • typewriter-type modular keyboard w/numeric keypad and edit function keys.

**Printer Parameters** • 40 cps 5x7 matrix thermal • 95 ASCII char set • 40 columns at 9.15 cpi • 6 lpi • 4.5-inch friction platen • bidirectional • employs 80-foot roll thermal paper.

**Communications** • 110/300 bps • half-/full-duplex • ASCII code • integral modem (AT&T 103-/113-compatible) • odd/even/none parity • answerback.

**Features/Options** • undisclosed.

**Price/Service** • \$700/\$1,095 (RO/ASR) single-unit purchase price.

### □ Whisper Writer Package 83 Telex Teleprinter

**Configuration** • ASR • 450-char receive buffer, 4K-char send buffer • typewriter-type modular keyboard w/edit function keys • thermal printer.

**Printer Parameters** • 40 cps 5x7 matrix thermal • full Baudot char set • 80 columns at 9.15 cpi • 6 lpi • 8.5-inch friction platen • employs 80-foot roll thermal paper.

**Communications** • 50 bps • half-duplex • Baudot code • integral modem • answerback.

**Features/Options** • undisclosed.

**Price/Service** • \$1,300 (ASR) single-unit purchase price.

### □ Whisperwriter 1482/1945

**Configuration** • RO; KSR • typewriter-style keyboard • 8K RAM.

**Printer Parameters** • 35 cps • 5x7 thermal • 128 ASCII char set • 69/72/80/132 columns at 10 cpi • 6 lpi • adj friction platen.

**Communications** • 110/300 bps • ASCII code • half-/full-duplex • asynchronous • XON/XOFF • RS-232C interface.

**Features/Options** • bidirectional print; out-of-paper indicator; last char visibility; graphics mode.

**Price/Service** • \$650 to \$1,295 single-unit purchase price • \$50 to \$68 per mo maintenance.

### □ Whisperwriter 1980/1945

**Configuration** • RO; KSR • 1400-char buffer • typewriter-style keyboard • 8K RAM.

**Printer Parameters** • 35 cps • 5x7 thermal • 128 ASCII char set • 69/72/80/136 columns at 10 cpi • 6 lpi • adj friction platen.

**Communications** • 110/300 bps • ASCII code • half-/full-duplex • asynchronous • XON/XOFF • RS-232C interface • AT&T 103/113 modem.

**Features/Options** • bidirectional print; out-of-paper indicator; last char visibility; auto-dial/auto-log-on; graphics mode.

**Price/Service** • \$750 to \$1,395 single-unit purchase price • \$60 to \$78 per mo maintenance.

### □ Other Sources

Integral Data Systems teleprinter terminals are also marketed by David Jamison Carlyle and Eastmark—see separate listings for model and pricing specifications.

### ■ INTERFACE SYSTEMS INC (ISI)

462 Jackson Plaza, Ann Arbor, MI 48103 • 313-769-5900.

### □ ISI Model PR-300

**Configuration** • RO • IBM 3284/3286/3288 replacement.

**Printer Parameters** • 300 lpm 9x7 matrix impact (Printronic 300) • 64 EBCDIC/APL/other char sets • 132 columns at 10 cpi or 66 columns at 5 cpi • 6/8 lpi • 16-inch adj tractor platen.

## Teleprinters & Attachment Printers

**Features/Options** • forms length control; top-of-form control; print/plot, double-width chars/bar code/reverse image print.

**Communications** • IBM 3271/3272/3274 (type B) interfaces.

**Price/Service** • \$9,750 single-unit purchase price • \$100 mo maint.

### □ ISI 387 Printer

**Configuration** • RO • IBM 3284/3286/3287 replacement.

**Printer Parameters** • 180 cps 7x8 dot matrix impact • 96 EBCDIC/ASCII char sets • double-width chars • 132 columns at 6/8 lpi • 15-inch sprocketed-feed platen.

**Communications** • IBM 3271/3272/3274/3276 device/terminal adapter.

**Features/Options** • bidirectional print • optional graphics.

**Price/Service** • \$4,250 single-unit purchase price • maint by MAI/Sorbus.

### □ ISI Model 487

**Configuration** • RO • IBM 3287 plug-compatible replacement.

**Printer Parameters** • 200/50 cps (draft/NLQ) • 7x9 matrix impact • 64 EBCDIC/ASCII char sets • 132 columns at 10 cpi • 6/8 lpi • 3- to 15-inch pin-feed platen.

**Communications** • Type A interfaces directly with IBM 3274/3276 systems and offers SDLC/SDS support.

**Features/Options** • 6 forms handling capability; programmable memory; demand document handling capability; single cut letterhead sheets; extended print buffer for local copy support of IBM 3278 models; touch sensitive keypad • optional Type B interface for compatibility with IBM 3271/3272 systems; optional graphics and large label char capability; optional automatic sheet and envelope feeder.

**Price/Service** • contact vendor.

### □ ISI Model 736

**Configuration** • RO • IBM 328X replacement • 10 x 25 x 17 inches; 55 pounds.

**Printer Parameters** • 50 cps full-char thimble impact (NEC Spinwriter) • 64 EBCDIC/ASCII char sets • 132 columns at 10 cpi • 6/8 lpi • 16-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridge.

**Communications** • IBM-compatible 327X interface; 736A IBM-compatible with SNA/SDLC including full SCS support.

**Features/Options** • online word processing; bidirectional print; operator-changeable thimble-font elements; vert format • optional forms feeder; optional tractor feed, friction feed, pin-feed platens; optional automatic single- or dual-sheet feeder/stackers.

**Price/Service** • \$5,150 single-unit • \$48 mo maint • \$275 mo 2-yr rental.

### ■ INTERNATIONAL BUSINESS MACHINES (IBM) CORPORATION

Information Systems Group • National Accounts Division; 1133 Westchester Avenue, White Plains, NY 10604; 914-696-1900 • National Marketing Division; 4111 Northside Parkway, Atlanta, GA 30327; 404-238-2000.

### □ Distribution

American Computer Group; Carterfone Communications Corp.

### □ IBM 3287 Printer Models 1, 2, 1C, 2C, 11, 12

**Configuration** • RO • 480/960/1920/2560/3440/3564-char buffers • IBM 3270 Information Display System printer • C-models provide color.

**Printer Parameters** • 80 cps (M1, 1C, 11)/120 cps (M2, 2C, 12) 4x7/4x8 matrix impact • 64 EBCDIC/ASCII char sets • 132 columns at 10 cpi (all models); 120 columns at 10 cpi (M1C, 2C) • 3/4 lpi (M11, 12); 6/8 lpi (all models) • 15-inch friction/pin-feed/tractor platens • horz tab.

**Communications** • IBM 3271/3272/3274/3276/4300/8100 (M12, 12) device/terminal adapter.

**Features/Options** • vert format control; bidirectional/unidirectional print (M1C, 2C when print line exceeds 120 columns).

**Price/Service** • \$4,830/\$5,150/\$5,210/\$5,530/\$4,995/\$5,315 (M1/2/1C/2C/11/12) single-unit purchase price • \$234/\$286/\$290/\$340/\$272/\$324 per month 1-yr lease • \$37.50/\$46.50/\$42.50/\$51.50/\$41.50/\$50 per mo maintenance.

### □ IBM 3262 Line Printer Models 2/12/13

**Configuration** • RO.

**Printer Parameters** • 650/467/364/253 lpm (M2/3); 325/230/180/125 lpm (M12/13) • 48/64/96/128 char band • 48/64/63/96/128/EBCDIC char set • 132 columns at 10 cpi • 3/4/6/8 lpi • tractor platen.

**Communications** • IBM 3274, 3276, 3601, 3602, 3694, 3771, 4321, 4331, 4701, 8100, and 8775.

**Features/Options** • programmed controlled forms skip and advance; 20-ips slew rate; changeable print bands.

**Price/Service** • \$15,040/\$12,620 single-unit purchase price (M23/M12/13) • \$541/\$398 per mo 1-yr lease • \$193/\$141 per mo maint.

### □ IBM 3268 Printers Models 1/22C

**Configuration** • RO • 960/1920/2560/3440/3564 char buffer.

**Printer Parameters** • 340 cps • matrix impact • 64.96 EBCDIC/ASCII; 222 EBCDIC APL char sets • 132 columns at 10 cpi • 3/4/6/8 lpi • up to 16-inch forms tractor • cartridge ribbon.

**Communications** • 3274, 3276, 8775, 4321, 4331, 3081, 3083, 3084.

**Features/Options** • audible alarm; cancel print; 6-part forms; color, extended char set adapter and PS (M2C).

**Price/Service** • \$7,500/\$8,990 single-unit purchase price (M1, 2/2C) • \$335 per mo 1-yr lease (M1, 2) • \$63/\$84 per mo maintenance (M1, 2/2C).

### □ IBM 3771 Communications Terminal—Models 1, 2 & 3

**Configuration** • KSR • 512-char buffer • tab card reader and punch • typewriter-type keyboard.

**Printer Parameters** • 40 cps (3771-M1), 80 cps (3771-M2), or 120 cps (3771-M3) 4x7 matrix impact • 94 EBCDIC/ASCII char sets • 132 columns at 10 cpi • 6 lpi • 15-inch tractor platen • horz tab • vert format control • bidirectional print.

**Communications** • to 4800 bps • half-duplex • EBCDIC/ASCII code • RS-232C interface • integral 1200-bps modem • multipoint polling/addressing.

**Features/Options** • vert format control; bidirectional print.

**Price/Service** • \$6,615/\$6,930/\$8,190 (3771-M1/M2/M3) single-unit • \$90/\$103/\$113 mo maint • \$302/\$342/\$406 mo 1-yr rental.

### □ IBM 5210 Printer Models G1/G2

**Configuration** • RO.

**Printer Parameters** • 40/60 cps (G1/G2) daisywheel printer • up to 198 columns at 10/12/15 cpi • 5.3/6/8 lpi • 96 char sets in choice of 12 fonts • pin-feed tractor.

**Communications** • IBM 8100.

**Features/Options** • bidirectional print; proportional or fixed spacing; superscripts/subscripts.

**Price/Service** • \$5,420/\$5,835 single-unit purchase price (G1/G2) • \$54/\$58.50 per mo maintenance.

### □ IBM 5217 Printer

**Configuration** • RO.

## Teleprinters & Attachment Printers

**Printer Parameters** • 60 cps • matrix impact • 96 EBCDIC/ASCII/Multinational char set • 10/12/15 cpi • 4 to 24 lpi • 14.5-inch forms tractor • IBM 463 ribbon.

**Communications** • IBM System/23, 5280.

**Features/Options** • bidirectional print; ribbon saver • optional single-sheet hand-fed paper; pin-feed continuous forms.

**Price/Service** • \$4,425 single-unit purchase price • \$52.50 per mo maintenance.

### IBM 5219 Tabletop Printer Models D01/D02

**Configuration** • RO.

**Printer Parameters** • 40/60 cps (D01/D02) printwheel • 96 ASCII/EBCDIC char set • up to 172 columns at 10/12/15 cpi • 5/6/8 lpi • pin-feed platen.

**Communications** • IBM System/34/36/38 and 5520.

**Features/Options** • bidirectional print; half-line spacing for superscript/subscript; ribbon saver facility; programming support determines functional capabilities • optional multiple 96-char print wheels; optional forms tractor; optional paper stacker tray.

**Price/Service** • \$5,420/\$5,835 single-unit purchase price (D01/D02) • \$54/\$58.50 per mo maintenance.

### IBM 5222 Printer

**Configuration** • RO.

**Printer Parameters** • 80 cps • 8x7 matrix impact • 132 columns at 10 cpi; 198 columns at 15 cpi • 6/8 lpi • adj forms tractor • cartridge ribbon.

**Communications** • IBM 5280.

**Features/Options** • 1- to 4-part forms • optional rear forms device.

**Price/Service** • \$2,345 single-unit purchase price • \$34 per mo maintenance.

### IBM 5224 Printer Models 1/2

**Configuration** • RO.

**Printer Parameters** • 95 to 240 lpm • 8x7 matrix impact • 95 EBCDIC char set • up to 198 columns at 10/15 cpi • 4/6/8/9 lpi • adj tractor platen • cartridge ribbon.

**Communications** • IBM System/34/36/38 and 5280.

**Features/Options** • oversize and special chars, logos, business graphics, OCR-A, bar-code, programmable; alarms; program or manual control of print density; vert spacing; four-part forms.

**Price/Service** • \$6,395/\$7,280 single-unit purchase price (M1/2) • \$48/\$57 per mo maintenance.

### IBM 5225 Printer Models 1/2/3/4

**Configuration** • RO.

**Printer Parameters** • 280/195 lpm (M1); 400/290 lpm (M2); 490/355 lpm (M3); 560/240 lpm (M4) • 8x7 matrix impact • 95 EBCDIC char set • 132 columns at 10/15 cpi • 6/8 lpi • adj tractor platen • cartridge ribbon.

**Communications** • IBM Series 1, System 34/36/38, 5280.

**Features/Options** • same as IBM 5224 • see above.

**Price/Service** • \$12,075/\$13,945/\$15,495/\$16,940 single-unit purchase price (M1/2/3/4) • \$467/\$532/\$592/\$649 per mo 1-yr lease • \$109/\$152/\$188/\$224 per mo maintenance.

### IBM 5256 Printer

**Configuration** • RO • 256-char buffer.

**Printer Parameters** • 40/80/120 cps (M1/2/3) • 7x8 matrix impact • 96 EBCDIC/184 EBCDIC Multinational char sets • 132 columns at 10 cpi • 6/8 lpi • 3- to 15-inch forms tractor • cartridge ribbon.

**Communications** • Series 1, System/34/36/38, 5280.

**Features/Options** • bidirectional print; 5-part forms.

**Price/Service** • \$4,145/\$4,340/\$4,535 single-unit purchase price (M1/2/3) • \$218/\$242/\$269 per mo 1-yr lease • \$49/\$53/\$60 per mo maintenance.

### INTERNATIONAL ENTRY SYSTEMS INC (IESI)

1819 South Central #46, Kent, WA 98032 • 206-852-8970.

### IESI Datasorter II

**Configuration** • KSR • 1K PROM line buffer • 16K to 64K RAM • 800-bpi (Phillips) cassette recorder w/430K chars (2 tracks) • 40-char display • teletype-style keyboard w/calculator pad and control keys.

**Printer Parameters** • 240 cps 5x7 matrix electrostatic • 64/96 ASCII/other char sets • 80 columns at 20 cpi • 5 lpi • 5.25-inch friction platen • employs 137-ft roll of aluminumized paper.

**Communications** • to 9600 bps • half-/full-duplex • ASCII code • RS-232C interface • EOT/BOT protocol.

**Features/Options** • user programmable in "extended BASIC" language; Z80 based; Z80 assembler.

**Price/Service** • \$2,895 single-unit purchase price • OEM prices available.

### C.I.TOH ELECTRONICS INC (CIE)

5310 Beethoven Street, Los Angeles, CA 90066 • 213-306-6700.

### Distribution

Leading Edge Products, Inc.

### C.Itoh Prowriter

**Configuration** • RO • 3K buffer • 4.7 x 15.7 x 11.2 inches; 18 pounds • programmable.

**Printer Parameters** • 120 cps • 9xN matrix impact • 96 ASCII/INT char sets • 80 columns at 10 cpi; 144x160 dots per second graphics • 6/8 lpi • 10-inch adj friction/tractor platen • cartridge ribbon.

**Communications** • 110/300/600/1200/2400/4800/9600 bps • ASCII/other codes • half-duplex • async • RS-232C interface • ETX/ACK, XON/XOFF protocol.

**Features/Options** • double-width chars 40 columns at 5 cpi; 68 columns at 8.5 cpi; 48 columns at 6 cpi; compressed chars 136 columns at 12 cpi; elite chars 96 columns at 12 cpi • proportional spacing; unidirectional/bidirectional printing; original plus 3 copies; top-of-form control • optional Centronics parallel interface.

**Price/Service** • available through distributors only.

### C.Itoh Prowriter 2

**Configuration** • RO • 2K buffer • 4.7 x 21.4 x 11.2 inches; 24 pounds • programmable.

**Printer Parameters** • 120 cps • 9xN matrix impact • 96 ASCII/INT char sets • 136 columns at 10 cpi; 144x160 dots per second graphics • 6/8 lpi • 15-inch adj friction/tractor-feed platen • cartridge ribbon.

**Communications** • same as Prowriter • see above.

**Features/Options** • double-width chars 68 columns at 5 cpi; 115 columns at 8.5 cpi; compressed chars 231 columns at 17 cpi; elite chars 163 columns at 12 cpi; proportional spacing; unidirectional/bidirectional printing; original plus 3 copies; top-of-form control • optional Centronics parallel interface.

**Price/Service** • available through distributors only.

### C.Itoh Starwriter F-10 Daisywheel Printer

**Configuration** • RO • 256-char buffer • 6 x 22.5 x 15.9 inches; 30.8 pounds.

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**Printer Parameters** • 40 cps • static print impact • 96 ASCII char set • 136 to 163 variable columns at 10 or 12 cpi • 6 lpi • 15-inch friction-feed platen • multistrike or fabric cassette ribbon.

**Communications** • Centronics parallel, RS-232C or IEEE-488 interfaces • XON/XOFF, ETX/ACK, RDY/BSY protocols.

**Features/Options** • word processing; mono- and dual-plastic wheels; original plus 2 copies • optional 2K-byte buffer; optional word processing expansion commands and special char wheel selection; optional bidirectional tractor.

**Price/Service** • available through distributors only.

### □ C.Itoh CX-4800 Printer Plotter

**Configuration** • RO • 4.68 x 14.6 x 10.12 inches; 13.2 pounds.

**Printer Parameters** • 8 cps print; up to 4.8-inch-per-second plot • 167 ASCII/graphic char sets • 80 columns at 10 cpi • 9.5-inch sprocket platen.

**Communications** • Centronics parallel interface.

**Features/Options** • printing and plotting can be intermixed on same page; 4-color graphics • optional RS-232C interface.

**Price/Service** • available through distributor only.

### □ C.Itoh Gorilla/Banana

**Configuration** • RO.

**Printer Parameters** • 50 cps • 5x7 matrix impact • 96 ASCII char set • 80 columns at 10 cpi • 10-inch tractor platen • cassette ribbon.

**Communications** • parallel or RS-232C interfaces.

**Features/Options** • graphics capability; PC compatible.

**Price/Service** • available through distributor only.

### □ C.Itoh 8600 BR/8600 BP

**Configuration** • RO • 4K/2K (BR/BP) buffer • 6.7 x 18.7 x 15 inches; 30 pounds.

**Printer Parameters** • 60/90/180 cps (NLQ/draft) • 7x9/13x9/13x18 matrix impact (NLR/draft) • 80 columns at 10 cpi; 96 columns at 12 cpi • 4.5- to 10-inch friction-feed platen • black or black-and-red ribbons.

**Communications** • 110/300/600/1200/2400/4800/9600 bps • RS-232C/20-mA current-loop • XON/XOFF, ETX/ACK protocols (BR); Centronics parallel interface (BP).

**Features/Options** • compressed mode 136 columns at 17 cpi; proportional spacing; fan-fold or single-cut sheet paper; graphic capabilities (BP) • micro/mini/PC computer compatible • optional tractor platen.

**Price/Service** • available through distributor only.

### ■ ITT COURIER

1515 West 14th Street, Tempe, AZ 85281 • 602-275-7555.

### □ ITT 8700 Series Serial Printer

**Configuration** • RO • 1920-char buffer • 8 x 24.5 x 18 inches; 60 pounds.

**Printer Parameters** • 60/120/180 cps (8700/8702/8704) • 5x7/7x7 matrix impact (8700/8702, 8704) • 64/96 ASCII char set • 132 columns at 10 cpi • 6 lpi or 6/8 lpi (8700 or 8702, 8704) • 3- to 15-inch tractor-feed platen • mobius loop ribbon cartridge.

**Communications** • ITT 7411/7601 interface including SNA; SCS.

**Features/Options** • unidirectional print (8700); bidirectional print (8702, 8704); original plus 4 copies; rear or bottom form feed; self-test (8702/8704) • optional pin-feed platen (8700); optional RTC, LTC, and 7401 interface.

**Price/Service** • contact vendor • on-site vendor supplied maint.

### □ ITT Model 8710

**Configuration** • RO • 8 x 25.75 x 20 inches; 55 pounds.

**Printer Parameters** • 150 cps • 9x7 matrix impact • 95 ASCII char set • 132 columns at 10 cpi • 6/8 lpi • 3- to 15-inch forms tractor • operator-changeable spool-to-spool ribbon.

**Communications** • same as 8700 Series • see above.

**Features/Options** • bidirectional print; original plus 5 copies.

**Price/Service** • \$3,700 single-unit purchase price • on-site vendor-supplied maintenance.

### □ ITT Model 8720

**Configuration** • RO • 5 x 24.6 x 15.6 inches; 20 pounds.

**Printer Parameters** • 240 cps • 9x9 matrix impact • international char sets • programmable for 10, 12, 13.1, 16.7 cpi • 3/4/6/8 lpi • 3- to 15-inch forms tractor • operator-changeable cassette ribbon.

**Communications** • same as 8700 Series • see above.

**Features/Options** • bidirectional print, logic seeking; original plus 5 copies; demand document tear off • optional cut sheet forms to 12 inches.

**Price/Service** • \$4,200 single-unit purchase price • on-site vendor-supplied maintenance.

### □ ITT 8760 Series Letter-Quality Printer

**Configuration** • RO • 7.5 x 22 x 18.8 inches; 50 pounds.

**Printer Parameters** • 55 cps • daisywheel • 96 ASCII char set • 132 columns at 10 cpi • 6 lpi • 4- to 14.5-inch friction platen • cartridge ribbon.

**Communications** • same as 8700 Series • see above.

**Features/Options** • letter-quality; 12-pitch Prestige Elite print-wheel standard; 16 vertical forms length; original plus 5 copies; top-of-form control; message waiting; status; device select; systems ready • optional pin-feed platen; optional paper guide and tray; optional print font styles, operator-changeable; optional single-/multistrike carbon or fabric ribbons.

**Price/Service** • contact vendor • on-site vendor-supplied maint.

### □ ITT 6230/2660 Line Printers

**Configuration** • RO • 41.7 x 34 x 28.5 inches; 450 pounds • IBM 3262-3, 13 compatible.

**Printer Parameters** • 300/600 lpm (6230/6260) • full-char band impact • 48/64/96/128 ASCII char sets • 132 columns at 10 cpi • 3/4/6/8 lpi • 3- to 15-inch adj tractor feed.

**Communications** • same as 8700 Series • see above.

**Features/Options** • page length control; bottom and left margins, operator-selectable; 127-line form length; index scale; paper jam sensor • optional 48/96/128-char print band; optional 48-char OCR-A and -B print bands; optional 18 foreign print bands.

**Price/Service** • \$11,350/\$13,550 single-unit purchase price (6230/6260) • on-site vendor-supplied maintenance.

### ■ KAYE INSTRUMENTS, INC

15 DeAngelo Drive, Bedford, MA 01730 • 617-275-0300.

### □ Kaye Digistrip Printer LP-1

**Configuration** • RO • 3K char buffer • 12.75 x 19 x 20 inches; 64 pounds.

**Printer Parameters** • 60 lpm • 5x8 matrix impact • 96 ASCII char set • 137 columns at 13 cpi • 6 lpi • tractor-feed platen.

**Communications** • 110/150/300/600/1200/2400 bps • ASCII code • odd/even/none parity • RS-232C/20-mA current-loop interface • DC3 protocol.

**Features/Options** • online indicators • printer transmits status.

**Price/Service** • \$2,990 single-unit purchase price.

## Teleprinters & Attachment Printers

### ■ LEAR SIEGLER, INC/Data Products Division

714 North Brookhurst Street, Anaheim, CA 92803 • 714-774-1010.

#### □ Distribution

Continental Resources, David Jamison Carlyle, Computer/ICE; Terminal Systems.

#### □ Lear Siegler VersaPrint 500 Series

**Configuration** • RO • 2500-char buffer • 10 x 24.75 x 18.25 inches; 50 pounds.

**Printer Parameters** • 180/90/45 cps (draft/corr/NLQ) • 7x9/14x9/14x18 matrix impact (draft/corr/NLQ) • 72x72 dots per inch; 144x144 dots per inch graphics • selectable char sets • 136 columns at 10 cpi; 163 columns at 12 cpi; 224 columns at 16.5 inches • 6/8 lpi • 3- to 16-inch tractor (500) or tractor/friction feed platen (510, 520, 530) • black cartridge ribbon (500, 510); four-color cartridge ribbon (520, 530).

**Communications** • 75/110/300/600/1200/2400/4800/9600 bps • ASCII code • half-/full-duplex • async • odd/even/none parity • RS-232C interface • compatible Centronics parallel interface.

**Features/Options** • dot-addressable graphics; 7 colors available for 520 and 530; operator controlled • optional custom interfaces and programs ("Daughter" board); optional 4500 char buffer; optional nonvolatile format; optional memory; optional alternate char sets.

**Price/Service** • contact vendor.

### ■ LEE DATA CORPORATION

10206 Crosstown Circle, Minneapolis, MN 55344 • 612-932-0300.

#### □ Lee Data Model 50-cps Letter-Quality Printer

**Configuration** • RO • 8.85 x 23.8 x 17.5 inches; 53 pounds • IBM 3287 compatible.

**Printer Parameters** • 50 cps • daisywheel impact • 96-char printwheel in 10, 12, or 15 pitch • 6/8 lpi • 2- to 15-inch forms tractor • multistrike mylar ribbon.

**Communications** • through cluster controller.

**Features/Options** • operates in bisync and SNA/SDLC environments; original and 5 copies • optional forms tractor; optional single bin, cut-sheet feeder.

**Price/Service** • \$6,144 single-unit purchase price • \$194 per month 1-yr rental • \$48 per month on-site vendor-supplied maintenance; third-party maintenance.

#### □ Lee Data 180-cps/340-cps Matrix Printer

**Configuration** • RO • 8.3 x 26.4 x 23.3 inches; 67 pounds • IBM 3287 (180 cps); 3268/3287 (340 cps) compatible.

**Printer Parameters** • 180/340 cps • 7x7 matrix impact • 96 ASCII plus 32 international char set • 132-line • 6/8 lpi • 3- to 15-inch forms tractor • cassette ribbon.

**Communications** • through cluster controller.

**Features/Options** • operates in BSC and SNA/SDLC environments (180); SCS format (340); bidirectional print, logic-seeking; original and 5 copies; condensed print, 132 or 219 chars at 16.7 cpi.

**Price/Service** • \$6,074/\$6,570 single-unit purchase price • \$258/\$290 per mo 3-yr lease; lease prices include maintenance.

### ■ LEXICON CORPORATION

1541 NW 65th Avenue, Ft. Lauderdale, FL 33313 • 305-792-4400.

#### □ LEX-21 Portable Terminal

**Configuration** • KSR portable • 1K line buffer • 2K RAM • typewriter-type keyboard • 8.5 x 11 x 2.75 inches; 5 pounds.

**Printer Parameters** • 10/30 cps 5x7 matrix thermal • 59 ASCII char set • 40 columns @ 10 cpi • 6 lpi • 4.3-inch friction platen • employs 150-ft roll thermal-coated paper.

**Communications** • 300 bps • half-/full-duplex • ASCII code • RS-232C or 20-/60-mA current-loop interface • TTY protocol • integral modem • odd/even/none parity.

**Features/Options** • not indicated.

**Price/Service** • \$595 single-unit purchase price.

### ■ MANNESMANN TALLY CORP

8301 South 180th Street, Kent, WA 98031 • 206-251-5500.

#### □ Distribution

Hansen & Hughes; Printer Systems Corp; Rental Electronics.

#### □ Mannesmann Tally MT-160

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 160/40 cps 7x9/40x18 (draft/corr) matrix impact • 40 columns at 5 cpi; 48 columns at 6 cpi; 66 columns at 8.37 cpi; 80 columns at 10 cpi; 96 columns at 12 cpi; 132 columns at 16.7 cpi; 160 columns at 20 cpi • 9.5-inch adj friction-feed platen • vert tab • horz tab • operator-changeable ribbon cartridge.

**Communications** • 300 to 9600 bps • half-/full-duplex • ASCII code • ACK/NAK • odd/even/none parity • XON/XOFF; DTR protocol.

**Features/Options** • double-width char; top-of-form control; self-test; bidirectional/unidirectional print; graphics • optional tractor-feed platen.

**Price/Service** • \$845 single-unit purchase price • OEM discounts available.

#### □ Mannesmann Tally MT-180 (Models 180I/180L)

**Configuration** • RO • 2K buffer • programmable.

**Printer Parameters** • 160/40 cps 7x9/40x18 (draft/corr) matrix impact • 66 columns at 5 cpi; 79 columns at 6.25 cpi; 110 columns at 8.35 cpi; 132 columns at 10 cpi • 15-inch adj friction-feed platen • vert tab • horz tab • operator-changeable ribbon cartridge.

**Communications** • 300 to 9600 bps • half-/full-duplex • ASCII code • odd/even/none parity • XON/XOFF; DTR protocol • ACK/NAK.

**Features/Options** • 158 columns at 12.5 cpi; 218 columns at 16.5 cpi; 264 columns at 20-cpi double-width char; top-of-form control; self-test; bidirectional/unidirectional print; graphics • optional tractor feed.

**Price/Service** • \$998/\$1,098 (180I/180L) single-unit purchase price • OEM discount available.

#### □ Mannesmann Tally MT-1600 Serial Impact Printer

**Configuration** • RO • 736-char buffer.

**Printer Parameters** • 200 cps 7x9 half-space matrix impact • 96 ASCII char set • 132 columns at 10 cpi; 218 columns at 16.5 cpi; 66 columns at 5 cpi; 109 columns at 8.25 cpi • 6/8 lpi • 15.25-inch pin-feed tractor platen • horz tab • operator-changeable ribbon cartridge.

**Communications** • 300 to 9600 bps • ASCII code • half-/full-duplex • odd/even/none parity • RS-232C or 20-/60-mA current-loop interface.

**Features/Options** • double-width compressed chars; VFU; self-test; dual-color; bidirectional print; operator-changeable print head.

**Price/Service** • \$1,695 single-unit purchase price • OEM discounts available.

#### □ Mannesmann Tally MT-1612 Printer Terminal

**Configuration** • RO; KSR • 1K/2K/4K-buffer • typewriter-type keyboard w/numeric keypad.



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**Printer Parameters** • 200 cps 7x9 matrix impact • 96 ASCII/APL char sets • 132 columns at 10 cpi, 158 columns at 12 cpi and 218 columns at 16.5 cpi • 6/8 lpi • 15-inch tractor platen • horz tab.

**Communications** • 300 to 9600 bps • half-/full-duplex • ASCII code • odd/even/none parity • RS-232C or 20-mA current-loop interface • answerback • ETX/EOT, XON/XOFF protocols.

**Features/Options** • vert format control; bidirectional print.

**Price/Service** • \$1,945/\$2,295 (RO/KSR) single-unit • \$2,705/\$2,965 single-unit w/1-yr maint • OEM discounts available.

### □ Mannesmann Tally MT-420

**Configuration** • RO • 200-char buffer • 9.4 x 26.3 x 18.2 inches; 79.5 pounds.

**Printer Parameters** • 200/50/140 cps • 9x7/18x40/9x9 matrix impact (draft/corr/bar-code) • 96/128 ASCII char sets • 132/165/220 columns at 10/12.5/16.7 cpi • 3/4/6/8/12 lpi • 3- to 17-inch tractor/friction feed platen • snap-in cartridge ribbon.

**Communications** • RS-232C or parallel interface.

**Features/Options** • operator-programmable type pitch and paper feed; accelerated tabbing up to 650 cps; dot-addressable graphics; four-color printing; bidirectional print; logic seeking (draft); unidirectional print (letter quality); double-width chars at 5/6/25/8.3; enlarged chars at 3/5/7; original plus four copies • optional quick tear bar; optional single- or dual-bin sheet feeder; dual side-by-side tractor feed; optional hush tone lid; optional reinking ribbon cartridge.

**Price/Service** • contact vendor.

### □ Mannesmann Tally MT-440

**Configuration** • RO • 200 char buffer • 9.4 x 26.3 x 18.2 inches; 79.5 pounds.

**Printer Parameters** • 400/100/270/cps • 9x7/18x40/9x9 matrix impact (draft/corr/bar-code) • 96/128 ASCII char sets • 132/165/220 columns at 10/12.5/16.7 cpi • 3/4/6/8/12 lpi • 3- to 17-inch tractor/friction feed platen • snap-in cartridge ribbon.

**Communications** • RS-232C or parallel interface.

**Features/Options** • operator-programmable-type pitch and paper-feed; accelerated tabbing up to 650 cps; dot-addressable graphics; four-color printing; bidirectional print, logic seeking (draft); unidirectional (letter quality); double-width chars at 5/6.25/8.3; enlarged chars at 3/5/7; original plus four copies • optional quick tear bar; optional single- or dual-bin sheet feeder; dual side-by-side tractor feed; optional hush tone lid; optional reinking ribbon cartridge.

**Price/Service** • \$2,395/\$2,695/\$2,995 single-unit purchase price (draft/corr/bar-code) • OEM discounts available.

### □ Mannesmann Tally MT-660

**Configuration** • RO • 2 line buffer • 38.5 x 33.5 x 22.5 inches; 350 pounds.

**Printer Parameters** • 600/420/280/250 lpm • 9x7 or 9x9/27x11 or 27x13/9x9 or 9x12/25x12 (draft/corr/bar-code) matrix impact • 96 ASCII char set • 132/100/80 columns at 10 cpi; 198/150/120 columns at 15 cpi • 6 or 6/8 lpi • 4- to 15-inch pin-feed platen • cartridge ribbon.

**Communications** • parallel Dataproducts or Centronics interface.

**Features/Options** • bidirectional paper feed; alarms; original plus 5 copies; top-of-form control • optional 4800/9600/19.2K bps • ASCII code • XON/XOFF, Busy/Ready, Enq/ACK, ETX/ACK, ACK/NAK protocols • RS-232C interface; optional graphics.

**Price/Service** • \$7,995 single-unit purchase price • OEM discounts available.

### □ Mannesmann Tally MT-1802

**Configuration** • RO • 218 char buffer • 8.5 x 25.5 x 19.5 inches; 63 pounds.

**Printer Parameters** • 200/50 cps (draft/corr) • 7x9/40x18 (draft/corr) matrix impact • 96 ASCII char set • 132 columns at 10 cpi; 218 columns at 16.5 cpi • 6/8 lpi • 15.25 adj pin-feed platen • horz tab • vert tab.

**Communications** • Centronics parallel interface.

**Features/Options** • bidirectional/unidirectional print, single/double pass (draft/corr), logic seeking print; self-test • 6 selectable European char sets • optional Dataproducts Corp parallel interface.

**Price/Service** • contact vendor.

### □ Mannesmann Tally MT-1805

**Configuration** • RO • 2K buffer • 8.5 x 25.5 x 19.5 inches; 63 pounds.

**Printer Parameters** • 200/50 cps (draft/corr) • 7x9/40x18 (draft/corr) matrix impact • 96 ASCII char set • 132 columns at 10 cpi; 218 columns at 16.5 cpi • 6/8 lpi • 15.25 adj pin-feed platen • horz tab • vert tab.

**Communications** • 300/600/1200/2400/4800/9600 bps, switch-selectable • ASCII code • half-/full-duplex • odd/even/none parity • RS-232C interface • XON/XOFF, DC1/DC3; DTR protocol.

**Features/Options** • bidirectional/unidirectional print, single/double pass (draft/corr), logic seeking print; self-test; 6 selectable European char sets • optional RS-422/20-mA current-loop interface.

**Price/Service** • contact vendor

### □ Mannesmann Tally Spirit

**Configuration** • RO • 4.9 x 14.8 x 12.75 inches; 11 pounds.

**Printer Parameters** • 80 cps • 9x8 matrix impact; 7x8 graphic matrix • 228 ASCII char set • 80 columns at 10 cpi • 6 lpi • adj sprocket/friction feed platen • cartridge ribbon.

**Communications** • Centronics parallel.

**Features/Options** • bidirectional, logic seeking print (text mode); unidirectional print (bit-image graphics mode); 40 columns double-width chars; 71 columns double-width, compressed chars; 142 columns compressed print; original plus 3 copies; fanfold and single sheet paper; Compatible with most personal computers • optional RS-232C interface.

**Price/Service** • \$399 single-unit purchase price • OEM discounts available.

### ■ MEMOREX CORP/Communications Group

18922 Forge Drive, Cupertino, CA 95014 • 408-996-9000.

### □ Memorex 2087 Matrix Printer

**Configuration** • RO • 480- to 1920-char buffer • IBM 3287 replacement.

**Printer Parameters** • 180 cps 7x8 matrix impact • 64/96 EBCDIC/ASCII char set • 132 columns at 10 cpi • 6/8 lpi • 3- to 15-inch adj tractor platen • operator-changeable ribbon cartridge.

**Communications** • IBM 3270 BSC/SDLC.

**Features/Options** • bidirectional paper feed; page/length control w/LED digital readout; self-test; mono-dual case printout; single/double line spacing; APL supported.

**Price/Service** • \$5,195 single-unit w/acoustic cover • on-site vendor maint.

### □ Memorex 2089 Line Printer

**Configuration** • RO • 480- to 1920-char buffer • IBM 3284/3286/3288 replacement.

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**Printer Parameters** • 415 lpm full-char belt impact • 48/64/96 ASCII/EBCDIC char sets • 132 columns at 10 cpi • 6/8 lpi • 15-inch adj tractor platen.

**Communications** • IBM System/360/370/303X printer interface.

**Features/Options** • paper exit muffler; internal diagnostics.

**Price/Service** • \$10,000/\$11,000 (Model 3/4) single-unit • \$121/\$122 mo maint • \$240/\$300 mo 2-yr lease.

### ■ MICRO PERIPHERALS INC (MPI)

4426 South Century Drive, Salt Lake City, UT 84107 • 801-263-3081.

#### □ Distribution

Eastmark Inc; Vitek.

#### □ MPI—Print Mate 99 Impact Matrix Printer

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 100 cps 7x9; 11x9 (draft/corr) • 96 ASCII char set • 80 columns at 10 cpi; 96 columns at 12 cpi; 136 columns at 17 cpi • 6/8 lpi • 9.5-inch friction/pin-feed tractor platen • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps (2400/4800/9600 bps opt) • ASCII code • RS-232C/20-mA current-loop interface • XON/XOFF.

**Features/Options** • double-width char; vert format control; top-of-form control; bidirectional print; 72x50/60/75/82 selectable graphics • optional QT sound shield; optional single-sheet stack feed.

**Price/Service** • \$599 single-unit purchase price.

#### □ MPI 150 Wide Carriage Printer

**Configuration** • RO • 4K to 68K buffer RAM/ROM.

**Printer Parameters** • 80 cps 7x9/11x9 (corr) matrix impact; 150-cps burst mode • 96 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 226 columns at 16.7 cpi • 6/8 lpi • 15-inch pin-feed tractor platen • horz tab • operator-changeable ribbon cartridge.

**Communications** • 150 to 9600 bps • ASCII code • RS-232C interface • ENQ/ACK; ETX/STX; XON/XOFF protocol.

**Features/Options** • double-width char; vert format control; top-of-form control; bidirectional print; 72x50/60/75/82 graphics • optional QT sound shield.

**Price/Service** • \$1,045 single-unit purchase price.

### ■ NCR CORPORATION

Dayton, OH 45479 • 513-445-5000.

#### □ NCR 2600 Thermal Printer

**Configuration** • RO; KSR • 2048 buffer (RO) • typewriter-/TTY-type keyboard w/embedded numeric keypad • 4.5 x 15 x 16 inches; 12 pounds.

**Printer Parameters** • 30 cps 5x8 matrix thermal • 96 ASCII char set • 80 columns at 10 cpi • 6 lpi • 8.5-inch friction platen • employs blue or blue/black 100-ft roll thermal paper.

**Communications** • 110 to 300 bps (KSR); 300 to 9600 bps (RO) • half-/full-duplex • ASCII code • odd/even/mark/space parity • RS-232C or 20-mA current-loop interface • integral modem (AT&T 102/113 compatible) on KSR • answerback • TTY protocol.

**Features/Options** • not indicated.

**Price/Service** • \$1,995/\$2,490 (RO/KSR) single-unit; \$2,885 (KSR w/modem) single-unit • \$109/\$133 mo 1-yr rental • \$296/\$332 mo maint; \$151 (KSR w/modem) mo maint.

#### □ NCR 6455 Letter-Quality Printer

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 33 cps full-char print thimble • 10/12/15 cpi and proportional spacing • 6/8 lpi • 128 ASCII char set • friction-feed platen • horz tab • vert tab • operator-changeable ribbon cartridge.

**Communication** • 110 to 9600 • ASCII code • RS-232C interface • ETX/ACK; DC1/DC3 protocol.

**Features/Options** • bidirectional print.

**Price/Service** • \$3,075 single-unit purchase price • \$40 mo maint • \$210 mo 1-yr rental.

### ■ NEC INFORMATION SYSTEMS

5 Militia Drive, Lexington, MA 02173 • 617-862-3120.

#### □ Distribution

American Peripheral Systems Inc; David Jamison Carlyle; Leasametric; Vitek.

#### □ NEC Spinwriter 2000 Series

**Configuration** • RO • 2000-char buffer • 6.1 x 21.6 x 14.5 inches; 23 pounds • Diablo compatible.

**Printer Parameters** • 20 cps • full-char thimble impact • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 203 columns at 15 cpi • 6/8 lpi • 16-inch friction/pin-feed/tractor platen • cartridge ribbon.

**Communications** • 110/300/600/1200 bps • ASCII code • half-/full-duplex • odd/even/mark parity • RS-232C/CCITT V.24 interface • DC1/DC3, XON/XOFF/ETX/ACK protocols.

**Features/Options** • bidirectional print; PS print program mode; graphics mode; automatic top-of-form control; 1- to 4-part forms; host VFU control for forms length, tab setting, relative tabs • optional Centronics parallel and IBM PC interface.

**Price/Service** • \$1,095 single-unit purchase price • nationwide service organization.

#### □ NEC Spinwriter 3500 Series—Models 3510/3515/3520/3525/3530

**Configuration** • RO (3510/3515/3530); KSR, typewriter-style keyboard with numeric keypad (3520/3525) • 256-char or 2K (3530) buffer; 16-char keyboard buffer • 8.7 x 21.6 x 14.6 inches; 37.5 pounds (RO models); 8.7 x 19.4 x 21.6 inches; 42.5 pounds (KSR models) • Diablo 1610/1620 and Xerox 1710/1700 compatible (3515/3525) • Centronics compatible (3530).

**Printer Parameters** • 33 cps • full-char thimble impact • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 204 columns at 15 cpi • 6/8 lpi • horz and vert tabs • 16-inch friction/pin-feed/adj tractor platens • operator-changeable cartridge ribbon.

**Communications** • 110 to 9600 bps (except 3530) • ASCII code • half-/full-duplex • odd/even/mark parity • RS-232C/CCITT V.24 interface; Centronics parallel interface (3530) • ETX/ACK, DC1/DC3, XON/XOFF protocols • integral modem • acoustic coupler (3530).

**Features/Options** • bidirectional print; 1- to 5-part forms; host VFU for forms length, absolute tabbing (3515); relative tabbing (3510/3530); forward and reverse half, full-line feeds; automatic top-of-form control; operator-changeable thimble font elements.

**Price/Service** • \$1,825/\$2,325 (RO/KSR) single-unit purchase price • OEM prices available upon request • nationwide service organization.

#### □ NEC Spinwriter 5500 Series—Models 5510 & 5520

**Configuration** • RO (5510); KSR (5520) • 256-char buffer; 16-char keyboard buffer • typewriter-style keyboard w/numeric keypad (5520).

**Printer Parameters** • 55 cps full-char thimble impact • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi • 6/8 lpi • 16-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridge.

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**Communications** • 110/300/1200 (150/200/600 opt) bps • half-/full-duplex • ASCII code • odd/even/mark parity • RS-232C.

**Features/Options** • vert format control; bidirectional print; operator-changeable thimble font elements.

**Price/Service** • available through distributors only.

### □ NEC Spinwriter 5500 Series—Models 5515 & 5525

**Configuration** • RO (5515); KSR (5525) • 256-char buffer • typewriter-style keyboard w/numeric keypad (5525) • Diablo 1610/1620; Xerox 1700/1710 replacement.

**Printer Parameters** • 55 cps full-char thimble impact • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi • 6/8 lpi • 16-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps • half-/full-duplex • ASCII code • odd/even/mark parity • RS-232C or 20-mA current-loop interface.

**Price/Service** • available through distributors only.

### □ NEC Spinwriter 5500 Series—Models 5540 APL

**Configuration** • KSR • 256-char buffer; 16-char keyboard buffer • typewriter-style keyboard w/numeric keypad.

**Printer Parameters** • 55 cps full-char thimble impact • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi • 6/8 lpi • 16-inch friction/pin-feed/tractor platens • horz tab • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps • half-/full-duplex • APL/ASCII code • odd/even/mark parity • RS-232C or 20-mA current-loop interface.

**Features/Options** • vert format control; bidirectional print; operator-changeable thimble font elements.

**Price/Service** • available through distributors only.

### □ NEC Spinwriter 7700 Series—Models 7710/7715/7720/7725/7730

**Configuration** • RO (7710/7715/7730); KSR, typewriter-style keyboard with numeric keypad (7720/7725) • 256-char buffer; 16-char keyboard buffer • 8.66 x 24.8 x 16.34 inches; 45.5 pounds (RO models); 8.66 x 24.8 x 21.1 inches; 51 pounds (KSR models) • Diablo 1610/1620 compatible • Centronics compatible (7730).

**Printer Parameters** • 55 cps • full-char thimble impact • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 204 columns at 15 cpi • 6/8 lpi • horz and vert tabs • 16-inch friction/pin-feed/adj tractor platens • operator-changeable cartridge ribbon.

**Communications** • 110/300/1200 (except 7730) • ASCII code • half-/full-duplex • odd/even/mark parity • RS-232C/CCITT V.24 interface; Centronics parallel interface (7730) • ETX/ACK, DC1/DC3, XON/XOFF protocols • integral modem/acoustic coupler.

**Features/Options** • bidirectional print; up to 5-part forms (operator controlled), up to 8-part forms (program controlled); operator-changeable thimble font elements • optional 150/200/600-bps rates.

**Price/Service** • \$2,580/\$2,630/\$3,055/\$3,135/\$2,580 (7710/7715/7720/7725/7730) • OEM prices available upon request • nationwide service organization.

### □ NEC Spinwriter Series—Model P2/P3 Terminals

**Configuration** • RO • 3.5-char buffer • 4.9 x 16.1 x 13.1 inches; 17.6 pounds (P2); 4.9 x 22.4 x 13.1 inches; 24.3 pounds.

**Printer Parameters** • 180/90/30 cps (draft/corr/NLQ) • 2x9 matrix impact • 128 ASCII/international/custom char sets • 80/136 columns at 10 cpi (P2/P3); 96/163 columns at 12 cpi (P2/P3); 136/233 columns at 17 cpi (P2/P3) • 6/8 lpi • 4.5- to 10-inch friction platen (P2); 5- to 16-inch friction platen (P3) • cassette ribbon.

**Communications** • parallel interface.

**Features/Options** • bidirectional, logic seeking print; download custom sets; compressed print 136 columns (P2), 231 columns (P3); proportional spacing; enhanced print; continuous underline; 21x18 pica dual-pass matrix, 19x14 elite dual-pass matrix; 13x9 pica high-density matrix; 11x7 elite high-speed matrix; 7x9 pica high-speed matrix; 14x9 expanded char; 7x9 condensed char; 21xn proportionally spaced dual-pass; 13x9 proportionally spaced high-density; 154 cps at 17 cpi condensed; 180 cps at 12 cpi elite • optional snap-on adj tractor; optional bidirectional feed tractor; optional automatic sheet feeder; optional cut-sheet guide.

**Price/Service** • \$799/\$1,150 (P2/P3) single-unit purchase price • OEM prices available upon request • nationwide service organization.

### ■ OKIDATA CORPORATION

111 Gaither Drive, Mt Laurel, NJ 08054 • 609-235-2600.

### □ Distribution

Carterfone Communications Corp; National Computer Communications.

### □ Okidata Microline 82A Dot Matrix Printer

**Configuration** • RO • 80-/132-char buffer.

**Printer Parameters** • 80 cps, 120 cps 9x9 matrix impact • 96 ASCII; 64 block char sets • 80 columns at 10 cpi; 132 columns at 16.5 cpi • 6/8 lpi • 9.5-inch friction/pin-feed/adj tractor platens.

**Communications** • 110 to 9600 bps • half-/full-duplex • ASCII code • RS-232C, current-loop, IEEE 488 interface.

**Features/Options** • 40 columns at 5 cpi; 66 columns at 8.25 cpi • expanded/condensed chars • bidirectional • vert format control • top-of-form control • block graphics.

**Price/Service** • \$449/\$714 (80/82A) single-unit • \$315/\$450 (80/82A) 100-unit.

### □ Okidata Microline 83A/84 Dot Matrix Printers

**Configuration** • RO • 136-char line buffer.

**Printer Parameters** • 120/200 cps 9x9 matrix impact • 96 ASCII; 64 block graphics (83A) char sets • 136 columns at 10 cpi; 224 columns (83A)/231 columns (84) at 16.5 cpi • 6/8 lpi • vert tab • 15-inch friction/pin-feed/adj tractor platens.

**Communications** • 110 to 9600 bps • half-/full-duplex • ASCII code • RS-232C, current-loop, IEEE 488 interface.

**Features/Options** • 40 columns at 5 cpi; 66 columns at 8.25 cpi • expanded/condensed chars • vert format control • top-of-form control • bidirectional • block graphics (83A) • dot addressable graphics (84).

**Price/Service** • \$995/\$1,395 (83A/84) single-unit • \$700/\$920 100-unit DP (200 cps) and correspondence (50 cps) for 84.

### □ Okidata Pacemark 2350 & 2410 Dot Matrix Printers

**Configuration** • RO • 2K-byte line buffer.

**Printer Parameters** • 350/300 cps 9x9 matrix impact, 175 cps 18x9 matrix impact (2410), 85 cps correspondence 18x18 matrix impact (2410), 85 cps correspondence 18x18 matrix impact (2410) • 96 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 232 columns at 17.1 cpi • 6/8 lpi • 15-inch adj tractor platen • operator-changeable ribbon cartridge.

**Communications** • 110 to 19.2K bps • half-/full-duplex • ASCII code • RS-232C, current-loop, or RS-449/-422 interface.

**Features/Options** • 68 columns at 5 cpi; 81 columns at 6 cpi; 116 columns at 8.5 cpi expanded/condensed chars; VFU; top-of-form control; bidirectional; red/back print; 72x72/144x144 dot graphics.

**Price/Service** • \$2,550 single-unit • \$1,595 100-unit (2350) • contact vendor for 2410.

## Teleprinters & Attachment Printers

### □ Okidata Microline 92

**Configuration** • RO • 2K buffer.

**Printer Parameters** • 160/40 cps (draft/corr) • 9x9/9x17 matrix impact • ASCII char set • 80/96/136 columns at 5/6/8.5/10/12/17.1 • 6/8 lpi • adj friction/pin-feed platen.

**Communications** • up to 9600 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C interface.

**Features/Options** • bidirectional print • optional tractor platen; optional 4K-byte buffer; optional 19.2K bps.

**Price/Service** • \$599 single-unit purchase price.

### □ Okidata Microline 93

**Configuration** • same as 92 • see above.

**Printer Parameters** • 160/40 (draft/corr) cps • 9x9/9x17 matrix impact • ASCII char set • 136/163/233 columns at 5/6/8.5/12/17.1 cpi • 6/8 lpi • adj friction/tractor feed platen.

**Communications** • same as 92 • see above.

**Features/Options** • bidirectional print • optional 4K-byte buffer; optional 19.2K bps.

**Price/Service** • \$999 single-unit purchase price.

### ■ OLIVETTI/OPE—See OPE PRINTERS, INC

### ■ OLYMPIA USA, INC

Route 22, Box 22, Somerville, NJ 08876-0022 • 201-722-7000.

### □ Olympia Electronic Compact RO

**Configuration** • RO • 256-char buffer • 6.3 x 19.5 x 12.6 inches; 17 pounds.

**Printer Parameters** • 14 cps • daisywheel impact • 100 chars in variable char sets • 115 columns at 10 cpi; 138 columns at 12 cpi; 172 columns at 15 cpi • friction/integrated tractor feed platen • cartridge ribbon.

**Communications** • 110 to 9600 bps • ASCII code • RS-232C serial interface; Centronics parallel interface • RTS/CTS, DSR/DTR, XON/XOFF protocols.

**Features/Options** • emulates Diablo 630; original and four copies; bold and double print, underline, subscript/superscript with WP software.

**Price/Service** • \$649 single-unit purchase price • nationwide service organization.

### □ Olympia ESW Series—Model 102/103

**Configuration** • RO (102); KSR (103) • 4K buffer • 6.4 x 23 x 14.6 inches; 28.6 pounds (102); 6.4 x 23 x 18.2 inches; 36.5 pounds.

**Printer Parameters** • 17 cps • daisywheel impact • 96 ASCII char set • 141 to 212 columns at 10/12/15 cpi • friction/tractor feed platen • cartridge ribbon.

**Communications** • up to 19.2K bps • ASCII code • half-/full-duplex • odd/even/mark/space parity • RS-232C/CCITT V.24/TTY 20-mA serial, current-loop, or parallel interface • RTS/CTS, DSR/DTR, XON/XOFF protocols.

**Features/Options** • bold, expand, and double print; bidirectional print • optional bidirectional forms tractor; optional sheet feeder.

**Price/Service** • \$1,399/\$1,899 (102/103) single-unit purchase price • nationwide service organization.

### □ Olympia ESW 3000

**Configuration** • RO • 4K buffer • 7.5 x 23.8 x 16.1 inches; 42.9 pounds.

**Printer Parameters** • up to 50 cps • daisywheel impact • 100 chars in variable char sets • 150 columns at 10 cpi; 180 columns at 12 cpi; 225 columns at 15 cpi • 17-inch friction/tractor feed platens • cartridge ribbon.

**Communications** • up to 19.2K bps • ASCII code • half-/full-duplex • RS-232C/TTY 20-mA serial, current-loop, or Centronics parallel interface • RTS/CTS, XON/XOFF protocols.

**Features/Options** • bold, expand, and double print • graphics capability; proportional/microspacing; bidirectional print; microprocessor controlled with automatic shortest path seeking logic; bidirectional paper and carriage • optional bidirectional forms tractor; sheet feeder.

**Price/Service** • \$1,899 single-unit purchase price • nationwide service organization.

### ■ OPE PRINTERS, INC

505 White Plains Road, Tarrytown, NY 10591 • 914-631-3000.

### □ OPE DY 250 Daisy Wheel Printer

**Configuration** • RO • 1K buffer • 5.59 x 21.65 x 13.1 inches.

**Printer Parameters** • 25 cps • daisywheel impact • 100 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 197 columns at 15 cpi • 6 lpi • 16.7-inch friction platen • zip-black fabric/carbon spool.

**Communications** • 100/150/300/600/1200/2400/4800/9600 bps • ASCII code • async • odd/even/none parity • RS-232C/20/60-mA serial, current-loop, or Centronics parallel interface • ETX/ACK protocol.

**Features/Options** • proportional spacing • optional 3K-byte buffer; optional 307 TELETEx; optional bidirectional tractor feed; optional single- or double-sheet feeder.

**Price/Service** • OEM only • 90-day warranty parts and labor.

### □ OPE DY 450 Daisy Wheel Printer

**Configuration** • RO • 1K buffer • 5.59 x 21.65 x 13.1 inches.

**Printer Parameters** • 45 cps • daisywheel impact • 100 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 197 columns at 15 cpi • 6 lpi • 16.7 friction platen • zip-pack fabric/carbon spool.

**Communications** • same as OPE DY 250 • see above.

**Features/Options** • same as OPE DY 250 • see above.

**Price/Service** • same as OPE DY 250 • see above.

### □ OPE JY 101 Dry Ink Jet Printer

**Configuration** • RO • 1K-char buffer • 4.56 x 15.36 x 10.56 inches.

**Printer Parameters** • 50 lpm • nonimpact dry ink jet • 96 ASCII char set • 80 columns at 10 cpi; 96 columns at 12.22 cpi; 147 columns at 18.33 cpi • 6/8 lpi • 8- to 9-inch roll or pin-feed • interchangeable dry ink cartridge.

**Communications** • 300 to 9600 bps • ASCII code • odd/even/mark/space/none parity • RS-232C/20-mA serial, current-loop, or Centronics parallel interface • ETX/ACK, RTS/CTS, XON/XOFF protocols.

**Features/Options** • double-width chars • graphics.

**Price/Service** • OEM pricing only • 90-day warranty parts and labor.

### ■ PLESSEY PERIPHERAL SYSTEMS, INC

17466 Daymiller Avenue, Irvine, CA 92714 • 714-540-9945.

### □ Plessey PM-LC11 Printer Terminal

**Configuration** • RO • 600-char to 2K-char buffer.

**Printer Parameters** • 200 cps 9x9/7x9 matrix impact • 96 ASCII/INT char sets • 132 columns at 10 cpi; 158 columns at 12 cpi; 176 columns at 13.3 cpi; 66 columns at 5 cpi; 79 columns at 6 cpi; 88 columns at 6.65 cpi • 15-inch adj tractor platen • horz and vert tabs.

**Communications** • 50 to 9600 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • XON/XOFF, DC1/DC3 protocol.

## Teleprinters & Attachment Printers

**Features/Options** • top-of-form control; double-width chars • bidirectional print; 1x6 dots per inch graphics.

**Price/Service** • contact vendor.

### ☐ Plessey LC-12

**Configuration** • RO • 2.6K buffer.

**Printer Parameters** • 120 cps • 11x9 matrix impact • ASCII char set • 132 columns at 10/12.5/15/16.7 cpi • 6/8 lpi • adj tractor platen.

**Communications** • up to 9600 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C/Centronics serial, or parallel interface.

**Features/Options** • 75x75 graphics • optional international fonts.

**Price/Service** • contact vendor.

### ☐ Plessey LC-20

**Configuration** • RO • 1.5K buffer.

**Printer Parameters** • 100/200 cps • 13x19 matrix impact • ASCII char set • 132 columns at 10/12/15/16.4 cpi • 6/8 lpi • adj tractor platen.

**Communications** • same as LC12 • see above.

**Features/Options** • 5-char fonts; 72x72 graphics.

**Price/Service** • contact vendor.

### ☐ Plessey LC-25

**Configuration** • RO • 3.5K buffer.

**Printer Parameters** • 500/200/100 cps • 18x17 matrix impact • ASCII char set • 132 columns at 10/12/15/16.4 cpi • 6/8 lpi • adj tractor platen.

**Communications** • same as LC-12 • see above.

**Features/Options** • 9 U.S. and 6 foreign fonts; 72x72 and 144x144 graphics.

**Price/Service** • contact vendor.

### ☐ Plessey LC-60

**Configuration** • RO • 4.5K buffer.

**Printer Parameters** • 285/230/170/125 cps • 28x80 matrix impact • ASCII char set • 132 columns at 10/12/16.7 cpi • 6/8/12/16 lpi • adj tractor platen.

**Communications** • same as LC-12 • see above.

**Features/Options** • 72x72 and 144x144 graphics.

**Price/Service** • contact vendor.

### ☐ Plessey PM-LP/300 & PM-LPV11/300

**Configuration** • RO • compatible w/PDP-11 or LSI-11.

**Printer Parameters** • 170/240/300 lpm 9x7/9x9 matrix impact • 96 ASCII char set • 132 columns at 10 cpi • 6/8 lpi • 60h x 72v graphics.

**Communications** • 110 to 9600 bps • ASCII code • half-/full-duplex • ASCII code • RS-232C interface.

**Features/Options** • horz/vert format control.

**Price/Service** • contact vendor.

### ☐ Plessey PM-LRII

**Configuration** • RO • 256-char buffer.

**Printer Parameters** • 33 cps • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 204 columns at 15 cpi • 6/8 lpi • 16-inch adj friction-feed platen.

**Communications** • 110 to 9600 bps • ASCII code • half-/full-duplex • RS-232C interface • ETX/ACK, XON/XOFF protocols.

**Features/Options** • horz and vert tabs • word processing assistance features.

**Price/Service** • contact vendor.

### ■ PRINTEK INC

1517 Townline Road, Benton Harbor, MI 49022 • 616-925-3200.

### ☐ Printek Model 910

**Configuration** • RO • 1792 char buffer • 6.75 x 23 x 16.75 inches; 44 pounds.

**Printer Parameters** • 200/45 cps (draft/corr) • 9x9/12x9/24x18 matrix impact (ROM draft/download draft/corr) 2000 dots per second graphics mode • 96 ASCII/7 foreign char sets • 136 columns at 10 cpi; 163 columns at 12 cpi; 181 columns at 13.3 cpi; 227 columns at 16.7 cpi • 6/8/12/16 lpi • horz/vert tabs • 2.5- to 16-inch tractor platen • cartridge ribbon.

**Communications** • 300/600/1200/2400/4800/9600 bps • ASCII code • half-/full-duplex • async • odd/even/none parity • RS-232C interface • XON/XOFF, ETX/ACK protocols.

**Features/Options** • 144x144/72x72 graphics mode; unidirectional/bidirectional print; various forms length; original plus 5 copies; downloadable char sets; double-width chars; automatic line feed/perforation skip • optional 6K-byte buffer; optional Centronics parallel interface.

**Price/Service** • \$1,595 single-unit purchase price.

### ☐ Printek Model 920

**Configuration** • RO • 1792 char buffer • 6.75 x 23.25 x 16.75 inches; 44 pounds.

**Printer Parameters** • 340/80 cps (draft/corr) • 9x9/12x9/24x18 matrix impact (ROM draft/download draft/corr) 2000 dots per second graphics mode • 96 ASCII/7 foreign char sets • 136 columns at 10 cpi; 163 columns at 12 cpi; 181 columns at 13.3 cpi; 227 columns at 16.7 cpi • 6/8/12/16 lpi • horz/vert tabs • 2.5- to 16-inch tractor platen • cartridge ribbon.

**Communications** • same as Model 910 • see above.

**Features/Options** • same as Model 910 • see above.

**Price/Service** • \$2,395 single-unit purchase price.

### ☐ Printek Model 930

**Configuration** • RO • 768 char buffer • 6.75 x 24 x 16.7 inches; 35 pounds.

**Printer Parameters** • 80/200 cps (NLQ/draft) • 36x18/9x9 (NLQ/draft) matrix impact • 4608 dots per second graphics mode • 96 ASCII plus 25 additional char for 7 foreign char sets • 136 columns at 10 cpi; 163 columns at 12 cpi; 181 columns at 13.3 cpi; 227 columns at 16.7 cpi; 979 dots in 72x72 dots per inch; 1958 dots in 144x144 dots per inch • 6/8 lpi; 72x144 lpi (graphics mode) • horz/vert tabs • 2.5- to 16-inch tractor platen • cartridge ribbon.

**Communications** • 300/600/1200/2400/4800/9600 bps • ASCII code • half-/full-duplex • async • odd/even/none parity • RS-232C/Centronics serial or parallel interface (XON/XOFF, ETX/ACK/NAK protocols).

**Features/Options** • 144x144/72x72 graphics mode; unidirectional/bidirectional print; various forms length; original plus 3 copies; double-width chars; automatic line feed.

**Price/Service** • \$1,995 single-unit purchase price.

### ■ PRINTRONIX INC

17500 Cartwright Road, Irvine, CA 92713 • 714-549-7700.

### ☐ Distribution

Denco Data Equipment and Kalbro Computer/ICE.

### ☐ Printronix Model P150/P300/P600 Printer/Plotter

**Configuration** • RO • 256/1K/2K-char buffer.

**Printer Parameters** • 187 to 330 cps; 374 to 660 cps; 704 to 1320

## Teleprinters & Attachment Printers

cps; 9x7/9x9/12x9 matrix impact • 94/96 ASCII char sets • 132 columns at 10 cpi or 66 columns at 5 cpi • 6/8 lpi • 16-inch adj pin-feed tractor platen • horz tab.

**Communications** • 75 to 19.2K bps • ASCII code • RS-232C interface • XON/XOFF, DC1/DC3; ACK/NAK; IBM 2780/3780; BSC protocol.

**Features/Options** • VFU; top-of-form control; full-width/double-width/double-height chars; 60x72 dots per inch graphics.

**Price/Service** • \$5,930/\$6,830/\$9,130 to \$7,030/\$7,930/\$10,230 single-unit • \$695 quietized enclosed pedestal.

**Printronix MVP Printer**

**Configuration** • RO • 256/1K/2K-char buffer.

**Printer Parameters** • 176/330/440 cps 13x12/9x9/7x5 matrix impact • 94/96 ASCII char sets • 132 columns at 10 cpi; 66 columns at 5 cpi; 165 columns at 13.75 cpi • 6/8 or 8 lpi • 16-inch adj pin-feed tractor platen • self-test • horz tab • top-of-form control.

**Communications** • same as P150/P300/P600.

**Features/Options** • VFU • full-width/double-width/double-height chars • 100x100/60x72/50x50 dots/inch graphics.

**Price/Service** • \$3,745 single-unit.

**QANTEX/Division of North Atlantic Industries**

60 Plant Avenue, Hauppauge, NY 11787 • 516-582-6060.

**Qantex Series 6000/6010 Printer**

**Configuration** • RO • 240-char buffer (6000); 2K-/4K-char buffer (6010).

**Printer Parameters** • 150 cps 9x9 matrix impact • 96 ASCII char set • horz and vert tabs (6010) • 136/80 columns at 10 cpi; 68/40 columns at 5 cpi • 6/8 lpi • 15.5-inch adj tractor platen • operator-changeable ribbon cartridge.

**Communications** • 110 to 19.2K bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • STX/ETX, STX/ACK (6010); XON/XOFF, DC1/DC3 protocol.

**Features/Options** • vert format control; top-of-form control; bidirectional print.

**Price/Service** • \$1,375/\$1,580 (6000/6010) single-unit • \$1,240/\$1,430 2 to 9 units.

**Qantex 7030/7020 Printers**

**Configuration** • RO • 4.7K-char buffer (7030); 0.7-/2.7K-char buffer (7020).

**Printer Parameters** • 180 cps 18x24 matrix impact • 96 ASCII char set • 136/80 columns at 10 cpi • horz and vert tabs • 15.5-inch adj tractor platen • vert format control • ribbon cartridge.

**Communications** • 110 to 19.2K bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop parallel interface • STX/ETX, STX/ACK, XON/XOFF, DC1/DC3 protocol.

**Features/Options** • 17.2- to 10-cpi proportional spacing; multifont including Word Processing; top-of-form control; bidirectional, logic seeking print, downloadable fonts.

**Price/Service** • \$1,695/\$1,495 (7030/7020) single-unit • \$1,197/\$1,075 500+ units.

**Qantex 7040 Multi-Mode Printer**

**Configuration** • RO • 4.7K buffer • 8 x 26 x 24 inches; 44 pounds • Diablo 630 compatible.

**Printer Parameters** • 180/75/37 cps (draft/NLQ/LQ) • daisywheel impact • 96 ASCII/7 foreign char sets • 136 columns at 10 cpi; up to 244 at 17.2 cpi • 2/3/4/6/8/12 lpi • horz/vert tabs • up to 15-inch tractor platen • snap-in cartridge ribbon.

**Communications** • up to 19.2K bps • ASCII code • odd/even/none parity • RS-232C/Centronics serial or parallel interface • STX/ETX, XON/XOFF protocols.

**Features/Options** • multifont including Word Processing; each font has access to 32 additional chars; 72/144x144 graphics; memo and letter quality fonts proportional spacing, left and right hand margin justification; bold, overprinting, auto-underline; compressed, double-width chars; original and 5 copies; DEC compatible LA 120 escape code commands • optional nonvolatile VFU buffer.

**Price/Service** • \$1,795 single-unit purchase price.

**QUME CORPORATION**

2350 Qume Drive, P.O. Box 50039, San Jose, CA 95150 • 408-942-4000.

**Distribution**

American Computer Group, David Jamison Carlyle, Leasametric, and Rental Electronics—see separate listings for model & pricing specifications.

**Qume LetterPro 20**

**Configuration** • RO • 7.5 x 20.5 x 14.2 inches; 28.6 pounds.

**Printer Parameters** • 20/22 cps daisywheel • 96 ASCII char set • 110/132/165 columns at 10/12/15 cpi • 6/8 lpi • 13-inch friction platen • cassette-type Qume Multistrike II ribbon.

**Communications** • RS-232C/Centronic/Qume Sprint 3 interfaces.

**Features/Options** • bidirectional proportional spacing; forward and reverse paper feed; form feed; pause; ready and attend indicators; original and 3 copies.

**Price/Service** • \$795 single-unit purchase price • worldwide network of distributors/dealers.

**Qume Sprint 11 Family (Models 11/40, 11/55, 11-130 Widetrack)**

**Configuration** • RO • 7.11 x 24.41 x 14.84 inches; 37 pounds.

**Printer Parameters** • 40/55 cps daisywheel • 96 ASCII char set • 132/158/198 columns at 10/12/15 cpi • 6/8 lpi • 15-inch friction feed platen • cassette ribbon.

**Communications** • 110/150/300/600/1200/2400/4800/9600 bps • ASCII code • half-/full-duplex • odd/even/mark/parity • ETX/ACK, or DC1/DC3 protocols • XON/XOFF • RS-232C/Centronics/IBM PC/IEEE-488 interfaces.

**Features/Options** • word processing capabilities; bidirectional print; space, backspace, carriage return, line feed, horz tabs, form feed, bell, end-of-text, margin sets, underscore, bold and shadow print; proportional spacing • optional TwinTellect; optional German Monospace/German WPS; optional Multilingual/Multilingual WPS; optional Arabic; optional 22-inch widetrack.

**Price/Service** • \$1,776/\$2,090 single-unit purchase price (40/55 cps) • \$2,440 single-unit purchase price (11-130) • worldwide network of distributors/dealers.

**QWINT SYSTEMS INC**

3693 Commercial Avenue, Northbrook, IL 60062 • 312-498-5060.

**Distribution**

RCA Service Company.

**Qwint 740 Series—Models 743/744/745**

**Configuration** • RO/KSR/ASR • 256-char buffer • 4K- to 128K memory (ASR) • typewriter-style keyboard • 4.5 x 14 x 12 inches; 12 pounds.

**Printer Parameters** • 55/80 cps • 7x7 matrix impact • 128 ASCII char set • 80 columns at 10 cpi; 87.2 columns at 10.9 cpi; 96 columns at 12 cpi; 106.4 columns at 13.3 cpi; 120 columns at 15 cpi; 136.8 columns at 17.1 cpi; 160 columns at 20 cpi • 2/3/4/6/8/12 lpi • horz tabs • 8.5-inch friction platen • operator-changeable cartridge ribbon.

## Teleprinters & Attachment Printers

**Communications** • 110/150/200/450/600/1200 bps • ASCII code • half-/full-duplex • selectable parity • RS-232C/20-mA serial or current-loop interface • CTS/SRTS, DC3/DC1, XON/XOFF, DC4/DC2 protocols • modem/acoustic coupler (745).

**Features/Options** • 1, 2, or 3 copies; expanded/compressed chars; subscripts/superscripts; graphics capability; answerback; editable memory, 4K, 8K, or 16K bytes.

**Price/Service** • \$795/\$995/\$1,195/\$1,295/\$1,595 single-unit purchase price (743RO/743KSR/744RO/744KSR/745KSR/744, 745ASR).

### □ Qwint KSR-743 Printer

**Configuration** • KSR/ASR portable • 256-char buffer • Selectric-type keyboard.

**Printer Parameters** • 55/80 cps 7x7 matrix impact • 96 ASCII char set • 80 columns at 10 cpi; 87.2 columns at 10.9 cpi; 96 columns at 12 cpi; 106.4 columns at 13.3 cpi; 120 columns at 15 cpi; 136.8 columns at 17.1 cpi; 160 columns at 20 cpi; 68.8 columns at 8.6 cpi; 60 columns at 7.5 cpi; 53.6 columns at 6.7 cpi; 48 columns at 6 cpi; 44 columns at 5.5 cpi; 40 columns at 5 cpi • 2/3/4/6/8/12 lpi • horz tabs • 8.5-inch friction platen • operator-changeable ribbon cartridge.

**Communications** • 1200 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • DC1/DC3, XON/XOFF protocol • integral 300-bps modem (AT&T 103-type)/acoustic coupler.

**Price/Service** • contact vendor.

### ■ RACAL-MILGO/Computer Products Division

6250 NW 27th Way, Ft. Lauderdale, FL 33309 • 305-979-4000.

### □ Racal-Milgo 4285

**Configuration** • RO • 5.2 x 14.2 x 12.9 inches; 19.9 pounds.

**Printer Parameters** • 120 cps 9x9 matrix impact • 96 ASCII, plus 64 block graphics char set • 80 columns at 10 cpi • 6/8 lpi • 8.5-inch friction or 9.5-inch tractor feed platen • 0.5-inch ribbon.

**Communications** • parallel interface; terminal adapters are used to interface terminal or host.

**Features/Options** • 132 columns at 16.5 cpi; compressed char; bidirectional printing with short-line seeking logic accommodates up to 4-part forms.

**Price/Service** • \$824 single-unit purchase price; \$43 per mo lease; \$30 per mo maintenance • factory or local Racal-Milgo Customer Support Centers located in Eastpoint, GA; Huntingdon Beach, CA; Richardson, TX; Schaumburg, IL; and Freehold, NJ • support services include telephone consulting and on-site visitation by field engineers.

### □ Racal-Milgo 4287/4287N

**Configuration** • RO • 8.5 x 25.5 x 19.5 inches; 64 pounds.

**Printer Parameters** • 200 cps 7x7 matrix impact • 96 ASCII char set • 132 columns at 10 cpi • 6/8 lpi • 4- to 15-inch sprocket feed • continuous-loop cartridge.

**Communications** • parallel interface; terminal adapters are used to interface terminal or host • BSC/SNA/SDLC protocols (4287N).

**Features/Options** • char set expandable to 192 char (4287); double-width and compressed char; bidirectional print; continuous fanfold or edge perforated forms.

**Price/Service** • \$3,099/\$3,599 single-unit purchase price; \$126/\$192 per month; \$40/\$50 per month maintenance (4287/4287N) • factory or local Racal-Milgo Customer Support Centers located in Eastpoint, GA; Huntingdon Beach, CA; Richardson, TX; Schaumburg, IL; and Freehold, NJ • support services include telephone consulting and on-site visitation by field engineers.

### □ Racal-Milgo 4293/4294

**Configuration** • RO • 256 character buffer • 13.4 x 28 x 21.6 inches; 82 pounds.

**Printer Parameters** • 200 cps 7x9 matrix impact • 94 ASCII char set • 136 columns at 10 cpi; 224 columns at 16.5 cpi • 16.5-inch friction feed platen (4293); 2 to 16.5 pin feed platen (4294).

**Communications** • parallel interface • terminal adapters are used to interface terminal or host.

**Features/Options** • microprocessor controlled; bidirectional print; 60-inch-per-second print-head skip rate; 4 print densities; self-test; selectable slew rates; can be attached to 4220/4276/4010 terminals and 4274 cluster in BSC or DSC environment.

**Price/Service** • \$3,599/\$3,399 single-unit purchase price; \$146/\$142 \$50 per month maintenance • factory or local Racal-Milgo Customer Support Centers located in Eastpoint, GA; Huntingdon Beach, CA; Richardson, TX; Schaumburg, IL; and Freehold, NJ • support services include telephone consulting and on-site visitation by field engineers.

### □ Racal-Milgo 4295

**Configuration** • RO • 43.5 x 32 x 20 inches; 218 pounds.

**Printer Parameters** • 240/300 lpm 7x7/7x9 matrix impact • 64/96 ASCII character set • 132 col at 10 cpi • 6/8 lpi • 4- to 15.8-inch pin feed platen • single-reel self-threading.

**Communications** • parallel interface; terminal adapters are used to interface terminal or host.

**Features/Options** • dual microprocessor, LSI circuitry; self-test; up to 6 part forms; standard forms length selector switch • custom char sets opt.

**Price/Service** • \$6,333 single-unit purchase price; \$259 per mo lease; \$50 per mo maintenance • factory or local Racal-Milgo Customer Support Centers located in Eastpoint, GA; Huntingdon Beach, CA; Richardson, TX; Schaumburg, IL; and Freehold, NJ • support services include telephone consulting and on-site visitation by field engineers.

### □ Racal-Milgo 8160-1

**Configuration** • RO • 13.7 x 9.64 x 6.2; 18 pounds.

**Printer Parameters** • 160 cps 7x9 matrix impact • 96 ASCII char set • 80/96/132 columns at 10/12/16.7/20 cpi • 6/8 lpi • 3- to 10-inch sprocket feed platen • snap-in cartridge.

**Communications** • parallel interface; terminal adapters are used to interface terminal or host.

**Features/Options** • 4-part forms.

**Price/Service** • \$1,160 single-unit purchase price; \$41 per mo lease; \$30 per mo maintenance • factory or local Racal-Milgo Customer Support Centers located in Eastpoint, GA; Huntingdon Beach, CA; Richardson, TX; Schaumburg, IL; and Freehold, NJ • support services include telephone consulting and on-site visitation by field engineers.

### □ Racal-Milgo 8160-2

**Configuration** • RO • 13.7 x 9.64 x 6.2; 18 pounds.

**Printer Parameters** • 160 cps 7x9 matrix impact • 96 ASCII char set • 80/96/132 columns at 10/12/16.7/20 cpi • 6/8 lpi • 3- to 10-inch friction feed platen • snap-in cartridge.

**Communications** • parallel interface; terminal adapters are used to interface terminal or host.

**Features/Options** • 4-part forms.

**Price/Service** • \$1,100 single-unit purchase price; \$39 per mo lease; \$30 per mo maintenance • factory or local Racal-Milgo Customer Support Centers located in Eastpoint, GA; Huntingdon Beach, CA; Richardson, TX; Schaumburg, IL; and Freehold, NJ • support services include telephone consulting and on-site visitation by field engineers.

## Teleprinters & Attachment Printers

### ■ SANDERS TECHNOLOGY—See SANTEC CORPORATION

#### ■ SANTEC CORPORATION

Columbia Drive, Amhurst, NH, P.O. Box 1226 Nashua, NH 03061  
• 603-882-1000.

#### □ Santec S700

**Configuration** • RO • 2048-char buffer.

**Printer Parameters** • 32 to 58/65 to 195/220 to 390 cps • (4/2/1-pass) matrix impact • 96 ASCII/OCR/other char sets • up to 230 columns at 6/8/12/15/16/18 cpi • 6/8 lpi • up to 14-inch friction/pin-feed platen.

**Communications** • 110 to 9600 bps • XON/XOFF; DTR; ETX/ACK protocols • RS-232C interface.

**Features/Options** • over 300 font varieties, 32 addressable fonts in the printer; 25 international languages with their own fonts; 288x960 graphics; typeset/letter/corr/draft mode; context processing.

**Price/Service** • \$3,600 single-unit purchase price • \$49 per mo maintenance • lease plans available.

#### ■ SCI SYSTEMS INC

8600 South Memorial Parkway, P.O. Box 4000, Huntsville, AL 35807 • 205-882-4800.

#### □ SCI Model 1110S/Rotary Printer

**Configuration** • RO • 2048-char buffer.

**Printer Parameters** • 200 cps 5x7 matrix electrostatic • 96 ASCII char set • 136 columns at 10 cpi • 7 lpi • 4-inch friction platen • employs 200-ft roll of electrosensitive paper.

**Communications** • 50 to 19.2K bps • ASCII code • RS-232C or 20-/40-mA current-loop interface • DTR, XON/XOFF, DC1/DC3 protocol.

**Features/Options** • optional rotary cutter.

**Price/Service** • \$790 OEM 100-unit.

#### □ SCI Model 1800S Rotary Printer

**Configuration** • RO • 2048-char buffer.

**Printer Parameters** • 4000/66,000 cps 5x7 matrix electrostatic • 96 ASCII char set • 80 columns at 10 cpi and 132 columns at 16.5 cpi • 7 lpi • 8.5-inch friction platen • employs 300-ft roll of electrosensitive paper.

**Communications** • same as Model 1110.

**Features/Options** • optional rotary cutter.

**Price/Service** • \$1,545 100-unit.

#### ■ SIEMENS CORPORATION/Data Communications Division

186 Wood Avenue South, Iselin, NJ 08830 • 201-494-1000.

#### □ Siemens 2712 Printer

**Configuration** • RO • 2K buffer (8K opt).

**Printer Parameters** • 270 cps 9x12/12x14 matrix ink-jet • 128 ASCII char set (8 languages) • 80 to 136 columns at 10 cpi • 3/4/6/8 lpi • 8.5/14,875/15.75 friction/pin/tractor feed.

**Communications** • 2400 bps • half-/full-duplex • RS-232C or 20-mA interface; Centronics parallel.

**Features/Options** • expanded/compressed chars; graphics; bit image; raster scan-line controlled.

**Price/Service** • \$1,700 and up OEM quantities.

#### □ Siemens PT 80

**Configuration** • KSR • RAM; punched tape • typewriter-style keyboard.

**Printer Parameters** • 10/15/30/60 cps • 12x9 matrix impact •

96/128 ASCII char set • 80 columns at 10 cpi • 3/4/5/6 lpi • adj friction/pin-feed platen.

**Communications** • 110/150/300/600 bps • ASCII code • half-/full-duplex • RS-232C/20/60-mA serial or current-loop interface • auto-answer.

**Features/Options** • last char visible; low paper indicator • optional 132 columns; optional single feed; optional integral modem; optional telephone coupler; optional numeric keypad.

**Price/Service** • not actively marketed; still available through Siemens.

#### □ Siemens PT 88/PT 89

**Configuration** • RO • 165-char buffer.

**Printer Parameters** • 150 cps 7x9 inkjet • ASCII char set • 80/132 columns (88/89) at 10/12/17 cpi • 6/8 lpi • adj tractor/friction platen.

**Communications** • up to 9600 bps • ASCII code • half-/full-duplex • asynchronous • RS-232C/20-mA serial, current-loop, or Centronics parallel interface.

**Features/Options** • self-test; bidirectional print; paper/ribbon out; graphics; 6 international fonts; bit-image graphics; downloadable char set • optional 4K-byte buffer.

**Price/Service** • \$895/\$1,145 single-unit purchase price.

#### □ Siemens T-1000 Teleprinter

**Configuration** • RO; KSR; ASR • 16K buffer • paper tape reader and punch • TTY-type keyboard.

**Printer Parameters** • 6.7/10/13.3 cps full-char wheel impact • 52 Baudot char set • 72 columns at 10 cpi • 6/4.5/3 lpi • 8.5-inch friction/pin-feed platens • operator-changeable wheel fonts and ribbon cartridge.

**Communications** • 50/75/110 bps • half-/full-duplex • Baudot code • RS-232C or 20/60-mA loop interface.

**Features/Options** • operator-changeable wheel fonts.

**Price/Service** • not actively marketed; available through Siemens.

#### □ Siemens T4200 Teletex Printer

**Configuration** • KSR • 80K buffer • typewriter-style keyboard • Telex.

**Printer Parameters** • 40-cps daisywheel • ASCII char set • 80/132 columns at 10/12 cpi • variable lpi • horz tabs • adj tractor platen.

**Communications** • 2400 bps • ASCII code • half-/full-duplex • synchronous • HDLC • RS-232C interface • auto-answer.

**Features/Options** • Telex compatible; auto-paper feed; variable type fonts • optional integral modem.

**Price/Service** • \$7,983 single-unit purchase price • leases available.

#### ■ STAR MICRONICS INC/Division of Star Manufacturing Co, Ltd

200 Park Avenue, Suite 2309, New York, NY 10166 • 212-986-6770.

#### □ Star STX-80

**Configuration** • RO • single line buffer • 3.9 x 13.4 x 6.9 inches; 7.7 pounds.

**Printer Parameters** • 60 cps • 5x9/6x6/66x62 dot thermal (draft/block graphics/dot addressable graphics) • 96 ASCII/64 block graphics char sets • 80 columns at 11 cpi • 1/6 lpi • horz tab • employs 100-foot heat-sensitive paper.

**Communications** • Centronics-compatible parallel interface.

**Features/Options** • self-test; column-scan bit image graphics.

**Price/Service** • \$199 single-unit purchase price • 180-day warranty • nationwide service organization.



## Teleprinters & Attachment Printers

### Star Gemini-10

**Configuration** • RO • 2.3K buffer • 5.3 x 15.2 x 12.4 inches; 15.4 pounds.

**Printer Parameters** • 100 cps • 9x9/6x6/60x72 matrix impact (draft/block graphics/dot addressable graphics) • 96 ASCII/96 Italic/64 special/32 block graphic char sets • 80/96/132 columns at 10/12 cpi • vert/horz tabs • 10-inch tractor platen • operator-changeable twin spool, Underwood-style ribbon.

**Communications** • Centronics-compatible parallel interface.

**Features/Options** • 40/48/66 columns at 5/6/8.5 cpi double-width chars; condensed chars at 17 cpi; self-test; bidirectional logic seeking print; continuous underline; backspace; left and right margin sets; column scan bit image graphics; perforation skipover; 2K user-programmable ROM for special chars • optional 4K-byte buffer; optional RS-232C/20-mA serial or current-loop interface.

**Price/Service** • \$399 single-unit purchase price • \$180-day warranty • nationwide service organization.

### Star Gemini-15

**Configuration** • RO • 2.3K buffer • 5.3 x 21.3 x 12.4 inches; 22 pounds.

**Printer Parameters** • 100 cps • 9x9/6x6/60/72 matrix impact (draft/block graphics/dot addressable graphics) • 96 ASCII/96 Italic/64 special/32 block graphic char sets • 136/163/233 columns at 10/12 cpi • vert/horz tabs • 15.5-inch tractor platen • operator-changeable twin-spool, Underwood-style ribbon.

**Communications** • Centronics-compatible parallel interface.

**Features/Options** • 68/82/116 columns at 5/6/8.5 cpi double-width chars; condensed chars at 17 cpi; self-test; bidirectional, logic seeking print; continuous underline; backspace; left and right margin sets; column-scan, bit-image graphics; bottom paper feed; perforation skipover; 2K-byte user-programmable ROM for special chars • optional 4K-byte buffer; optional RS-232C/20-mA serial or current-loop interface.

**Price/Service** • \$549 single-unit purchase price • 180-day warranty • nationwide service organization.

■ **TALLY CORPORATION—See MANNESMANN TALLY**

■ **TELETYPE CORPORATION—See AT&T TELETYPE**

■ **TELEVIDEO SYSTEMS, INC**

1170 Morse Avenue, Sunnyvale, CA 94086 • 408-745-7760.

### TeleVideo TeleWriter

**Configuration** • RO • 256-char buffer.

**Printer Parameters** • 35 cps • letter-quality daisy-wheel • 128 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 203 columns at 15 cpi • 16-inch friction platen • horz and vert tab • bidirectional • operator-changeable ribbon cartridge.

**Communications** • 110 to 1200 bps • half-/full-duplex • odd/even/mark/bit parity • ASCII code • RS-232C interface • ETX/ACK, DC1/DC3 XON/XOFF or Reverse Channel.

**Features/Options** • bidirectional.

**Price/Service** • \$2,195 single-unit purchase price.

■ **TELEX TERMINAL COMMUNICATIONS/A Division Of Telex Computer Products**

3301 Terminal Drive, Raleigh, NC 27604 • 919-834-5251.

### Distribution

Western Union Telegraph Company.

### Telex 281B Printer

**Configuration** • RO • 1920-char buffer.

**Printer Parameters** • 100 cps or 120 cps (with PROFFIT) • 7x9 matrix impact • 96 ASCII/EBCDIC char sets • 80 columns at 10

cpi; 132 columns at 17 cpi • 2/3/4/8 lpi • roll- or pin-feed adj sprocket platen.

**Communications** • via IBM 3270.

**Features/Options** • bidirectional print • optional European char sets.

**Price/Service** • \$900/\$850 (100 cps/120 cps) single-unit purchase price • \$34/\$41 per mo 1-yr rental • \$21/\$15 per mo maint • regional service centers; telephone consulting.

### Telex 286F Printer

**Configuration** • RO • 960/1920/2560/3440/3564-char buffer.

**Printer Parameters** • 60/80 cps • daisywheel impact • 96/127 ASCII/EBCDIC char sets • 132 columns at 10 cpi; 158 columns at 12 cpi • 6/8 lpi • 3- to 15-inch tractor feed platen.

**Communications** • via Telex 174/274C/276 or IBM 3274/3276.

**Features/Options** • unidirectional/bidirectional print; mono-/dual-form width; 6-part forms.

**Price/Service** • \$5,750 single-unit purchase price • \$185 per mo 1-yr rental • \$50 per mo maint • regional service centers; telephone consulting.

### Telex 287D Printer

**Configuration** • RO • 1920-char buffer • IBM 3287 replacement.

**Printer Parameters** • 75/100/150 cps • 7x8 matrix impact • 96 ASCII/EBCDIC char sets • 132 columns at 10 cpi • 6/8 lpi • horz tabs • 15-inch friction/pin-feed/tractor platens.

**Communications** • via Telex 276 or IBM 3274/3276.

**Features/Options** • bidirectional print; vert format control; 5-part forms • optional 1920 additional char buffer.

**Price/Service** • \$5,000 single-unit purchase price • \$176 per mo 1-yr rental • \$40 per mo maint • regional service centers; telephone consulting.

### Telex 289C Line Printer

**Configuration** • RO • 1920-char buffer • IBM 3289 replacement.

**Printer Parameters** • 340 lpm with 64-char belt; 280 lpm with 96-char belt • 64/96 ASCII/EBCDIC char sets • up to 132 columns at 10 cpi • 6/8 lpi • 3- to 15-inch forms tractor.

**Communications** • via Telex 276 or IBM 3274/3276.

**Features/Options** • operator-selectable form length; line length; print density; mono-/dual-case printing; single/double spacing • optional 1920 additional char buffer.

**Price/Service** • \$11,500 single-unit purchase price • \$440 per mo rental • \$93 per mo maint • regional service centers; telephone consulting.

### Telex 387 Printer

**Configuration** • RO • 960/1920/2560/3440/3564-char buffer • IBM 3287 replacement.

**Printer Parameters** • 140/280/400 cps • 8x7/16x14 (280, 400 cps/140 cps) matrix impact • 96 ASCII/EBCDIC char sets; APL text • 136 columns at 10 cpi; 163 columns at 12 cpi; 204 columns at 15 cpi; 227 columns at 16.7 cpi; 233 columns at 17.1 cpi • 3/4/6/8 lpi • 3- to 16-inch pin-feed forms tractor.

**Communications** • via Telex 276 or IBM 3274/3276.

**Features/Options** • bidirectional print; high-density bold print available in all cpi configurations; mono-/dual-case char printing; 6-part forms; SCS support under SNA; front paper feed; top or rear paper exit.

**Price/Service** • \$7,200 single-unit purchase price • \$240 per mo 1-yr rental • \$55 per mo maint • regional service centers; telephone consulting.

## Teleprinters & Attachment Printers

### ■ TELPAR INC

4132 Billy Mitchell Road, P.O. Box 796, Addison, TX 75001 • 214-233-6631.

#### □ Telpar PS-48C Thermal Printer

**Configuration** • RO (PS-48C); KSR (T-48C) • 134-char buffer • modular TTY-type keyboard.

**Printer Parameters** • 24 cps 5x7 matrix thermal • 96 ASCII char set • 48 columns at 10 cpi • 6 lpi • 5.5-inch friction platen • employs 164-ft roll thermal paper.

**Communications** • 110/300 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/none parity.

**Features/Options** • undisclosed.

**Price/Service** • \$768 single-unit purchase price.

### ■ TEXAS INSTRUMENTS (TI)

P.O. Box 1444, Houston, TX 77001 • 713-937-2000.

#### □ Distribution

Alanthus Data Communications, Continental Resources, Data Access Systems, Data Rental/Sales, David Jamison Carlyle, Eastern Terminals & Communications, Hamilton Rentals, Leasametric, Loonam Computer Terminals, MTI Computers & Peripherals, National Computer Communications, Qwikterm, Qytel Data Terminal, Randal Leasing, Rental Electronics, Selecterm, Transnet, United States Instrument Rentals, and Westwood Computer Corporation.

#### □ TI Silent 700 Model 703

**Configuration** • KSR • 1K buffer • ROM • typewriter-style keyboard.

**Printer Parameters** • 45 cps • thermal • ASCII char set • 80/132 columns at 10/16.7 cpi • 6 lpi • adj friction platen.

**Communications** • 300 bps • ASCII code • full-duplex • asynchronous • RS-232C interface.

**Features/Options** • 8 international char sets; bidirectional print; last char visible.

**Price/Service** • \$595 single-unit purchase price.

#### □ TI Silent 700 Model 707

**Configuration** • KSR • 1K buffer • typewriter-style keyboard • ROM.

**Printer Parameters** • same as 703 • see above.

**Communications** • same as 703 • see above.

**Features/Options** • 8 international char sets; bidirectional print; last char visible • optional carrying case.

**Price/Service** • \$695 single-unit purchase price.

#### □ TI Omni 800 Series—Model 810 Receive-Only Printer

**Configuration** • RO • 256-char RO buffer.

**Printer Parameters** • 150 cps 9x7 matrix impact • 64/128 ASCII char sets • 132 columns at 10 cpi and 66 columns at 5 cpi • 6/8 lpi • 15-inch tractor platen • horz tab.

**Communications** • 110 to 9600 bps • half-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/none parity check.

**Features/Options** • vert format control; bidirectional print.

**Price/Service** • \$1,645 to \$1,945 single-unit • \$26 mo maint.

#### □ TI Omni Series—Model 810 Enhanced

**Configuration** • RO • 256-char RO buffer.

**Printer Parameters** • 150 cps 9x7 matrix impact • 64/128 ASCII char sets • 132 columns at 10 cpi • 6/8 lpi • 15-inch tractor platen • horz tab.

**Communications** • 110 to 9600 bps • half-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/none parity • XON/XOFF protocol.

**Features/Options** • vert format control • bidirectional print • letter quality • raster graphics/bar code printing opt • user selectable fonts • compressed print at 220 cps • 66 columns at 5 cpi.

**Price/Service** • \$2,295 to \$2,595 single-unit purchase price • \$20 to \$29 mo maint.

#### □ TI Omni 800 Series—Model 820 Electronic Data Terminal

**Configuration** • RO; KSR • 1280-char RO buffer • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 150 cps 9x7 matrix impact • 128 ASCII/APL char sets • 132 columns at 10 cpi, 218 columns at 16.5 cpi • 6/8 lpi • 15-inch tractor platen • horz tab.

**Communications** • 110 to 9600 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • odd/even/mark/space parity • answerback.

**Features/Options** • vert format control • bidirectional print • compressed char 66 columns at 5 cpi.

**Price/Service** • \$1,995/\$2,165 to \$2,155/\$2,395 (RO/KSR) single-unit • \$24/\$27 mo maint • none/\$100 to none/\$110 mo 1-yr rental.

#### □ TI Omni 800 Series—Model 825 Electronic Data Terminal

**Configuration** • RO; KSR • 256-char RO buffer • typewriter-type keyboard w/numeric keypad.

**Printer Parameters** • 75 cps 7x9 matrix impact • 128 ASCII/APL char sets • 132 columns at 10 cpi, 218 columns at 16.5 cpi and 66 columns at 5 cpi • 6/8 lpi • 15-inch tractor platen • horz tab.

**Communications** • 110/200/300/600 bps • half-/full-duplex • ASCII code • RS-232C or 20-mA current-loop interface • integral acoustic coupler • odd/even/mark/space parity • answerback.

**Features/Options** • vert format control • bidirectional print.

**Price/Service** • available through distributors only.

#### □ TI Omni 800 Series—Model 840 Electronic Data Terminal

**Configuration** • RO; KSR • 2K-char buffer • typewriter-type keyboard (KSR) w/numeric keypad.

**Printer Parameters** • 75 cps 9x7 matrix impact • 128 ASCII char set • 132 columns at 10 cpi • expanded/compressed print • 6 lpi • 15-inch friction/pin-feed tractor platen • horz tab.

**Communications** • 110 to 9600 bps • full-duplex • ASCII code • RS-232C interface • parity checking • self-test • answerback.

**Features/Options** • vert tab • bidirectional • operator-changeable ribbon cartridge.

**Price/Service** • \$995/\$1,545 (RO/KSR) single-unit.

#### □ TI Omni 800 Series Model 850

**Configuration** • RO • 256 char buffer.

**Printer Parameters** • 150 cps • 9x9 matrix impact • 96 ASCII char set • 80/134 columns at 5/10 cpi • 3/4/6/8 lpi • friction feed platen.

**Communications** • 200 to 9600 bps • ASCII code • RS-232C interface • parallel interface.

**Features/Options** • 15x9 enhanced char font; compressed, bold, and expanded print; TI TMS7041 microprocessor; 7 alternate European char sets; mosaic graphics char set; 480x60, 576x72, 960x120, 1152x144 graphics • optional 4K-byte buffer; optional maint diagnostics ROM; optional tractor platen.

**Price/Service** • \$599 single-unit purchase price.

## Teleprinters & Attachment Printers

### □ TI Omni 800 Model 855 Dual Mode Printer

**Configuration** • RO • 256-char buffer.

**Printer Parameters** • 150/35 cps (draft/corr) • 9x9/32x18 matrix impact (draft/corr) • 96 ASCII char set • 80/134 columns at 10/12/15 cpi • 3/4/6/8 lpi • 11-inch friction feed platen • snap-in cartridge ribbon.

**Communications** • 300/1200/2400/4800/9600 bps • ASCII code • RS-232C interface • Centronics-Type parallel interface • DC1/DC3, ETX/ACK protocol.

**Features/Options** • optimized bidirectional printing; software-selectable bold and shadow print; subscripts/superscripts; user-selectable font modules; 60/72/120/144x72/144 graphics; 3-part forms; compressed print; original plus 2 copies; automatic line feed • optional stacking tray and roll holder; optional 4K-byte buffer.

**Price/Service** • \$635 single-unit purchase price.

### ■ TOSHIBA AMERICA, INC./Information Systems Division

2441 Michelle Drive, Tustin, CA 92680 • 714-730-5000.

### □ Toshiba P1350

**Configuration** • RO • 5.9 x 21.7 x 15 inches; 44 pounds.

**Printer Parameters** • 100/160 cps (letter quality/draft) • 24xN/15x11 matrix impact • 96 ASCII char set • 136 columns at 10 cpi; 163 columns at 12 cpi; 180x180 dots per inch graphics • 6/8 lpi • 5- to 15-inch friction feed platen • cartridge ribbon.

**Communications** • parallel interface.

**Features/Options** • proportional spacing; software selectable mode and char fonts • optional pin-feed tractor; optional automatic sheet feed.

**Price/Service** • \$2,195 single-unit purchase price.

### ■ TRACOR, INC./Tracor Aerospace

6500 Tracor Lane, Austin, TX 78721 • 512-926-2800.

### □ Tracor AN/UGC-141(V)

**Configuration** • ASR • 900,000 char 3-tape cartridge storage • typewriter-style keyboard • 22x20x32 inches; 91 pounds.

**Printer Parameters** • 240 cps • 7x9 matrix impact • 128 ASCII char set • 69 to 132 columns at 10 cpi • 3/6 lpi • adj tractor platen.

**Communications** • 45.45 to 9500 bps • ASCII/Baudot code • full-duplex • async/sync/isosync • RS-232C/RS-449/Mil Std-188, 114/multiple current-loop interface.

**Features/Options** • diskette storage under development.

**Price/Service** • contact vendor • per contract warranty • factory/depot/on-call service.

### ■ TRANS-LUX CORPORATION

110 Richards Avenue, Norwalk, CT 06584 • 203-853-4321.

### □ Trans-Lux A-Series RO Teleprinters—Models AE, AF & AF-Ribbon

**Configuration** • RO.

**Printer Parameters** • 5/10 cps or 15/30 cps 5x7 matrix impact • 64 Baudot/ASCII/Typesetter sets • 50 columns at 10 cpi (AE); 74 or 80 columns at 10 cpi (AF) • 4.25 lpi • 6-inch (AE) or 8.5-inch (AF) friction/pin-feed platens • pressure-sensitive paper (AE or AF) or ribbon impact (AF-Ribbon) mechanisms.

**Communications** • 50 or 110 bps; 150 or 300 bps • RS-232C or 20-/60-mA current-loop interface • Baudot; ASCII; Typesetter codes.

**Features/Options** • undisclosed.

**Price/Service** • \$67/\$84 mo (10/30 cps) single-unit 1-yr rental.

### □ Trans-Lux TLT Telex—Model 4K/TLT

**Configuration** • KSR • 4096-char local/send-only buffer • TTY-type keyboard.

**Printer Parameters** • 6.6 cps 5x7 matrix impact; 13-cps off-line buffer playback/edit • Baudot char set • 69 columns at 10 cpi • 4.25 lpi • 8.5-inch friction platen • employs pressure-sensitive 3-copy impact roll paper.

**Communications** • 75 bps • half-duplex • Baudot code • 20-/60-mA current-loop interface • line dialer via numeric keys w/auto-redial; 4-digit auto-dial memory key.

**Features/Options** • original plus 2 copies.

**Price/Service** • \$2,395 single-unit • \$2,195 50-unit • \$29 mo maint • \$87 mo 1-yr rental.

### □ Trans-Lux Model 300

**Configuration** • SR • 8000-char local/send/receive buffer • TTY-type keyboard.

**Printer Parameters** • 10 cps 5x7 matrix impact; 4x5 matrix on send mode • ASCII char set • 72 columns at 10 cpi • 4.25 lpi • 8.5-inch friction platen • employs pressure-sensitive impact roll paper.

**Communications** • 110 to 300 bps • half-duplex • ASCII code • 20-/60-mA current-loop interface • 29-number TWX auto-memory dialer • dual 4-digit auto-dial memory keys.

**Features/Options** • original plus 2 copies.

**Price/Service** • \$2,865 single-unit • \$2,645 50-unit • \$28 mo maint • \$99 mo 1-yr rental • replaces paper tape equipment.

### ■ TRENDCOM—See 3M/Business Communications Products

### □ 3M/Business Communications Products Division—See INTERACTIVE SYSTEMS

### ■ TRILOG INCORPORATED

17391 Murphy Avenue, Irvine, CA 92714 • 714-549-4079.

### □ Trilog Colorplot Printers—Models C-60, C-100 & C-144

**Configuration** • RO • 1320 points plot buffer • 256-char line buffer.

**Printer Parameters** • 300/250/190 lpm 7x9/7x7 matrix impact • 96 ASCII char set • 132 columns at 10 cpi • 6/8 lpi • 16-inch friction/adj tractor platen.

**Communications** • to 9600 bps • half-/full-duplex • ASCII code • RS-232C interface • XON/XOFF, DC1/DC3; ACK/NAK protocol.

**Features/Options** • double-height chars • top-of-form control • horz and vert formatting • forms length control • self-test • multicolor/single color select • bidirectional print/paper • 100x100 dots/inch graphics.

**Price/Service** • \$11,500 single-unit • plots high-resolution full-color graphics for applications such as CAD/CAM, Scientific, 3-D Cartography, Computer Art and Business Charts.

### □ Trilog T-100

**Configuration** • RO • 1320 points.

**Printer Parameters** • 150/250 lpm 7x9/7x7 matrix impact • 96 ASCII char set • 132 columns at 10 cpi; 220 columns at 16.7 cpi • 6/8 lpi • 16-inch friction/adj tractor platen.

**Communications** • up to 9600 bps • half-/full-duplex • ASCII code • RS-232C interface.

**Features/Options** • double-height chars; top-of-form control; horz and vert formatting; forms length control; self-test; monochrome; bidirectional print; 100x100 dot resolution.

**Price/Service** • \$8,200 single-unit purchase price • OEM discounts available.

### □ Trilog T-1100A

**Configuration** • RO • 1320 points plot buffer • 256-char line buffer • emulates Versatec 1100 plotter.

**Printer Parameters** • same as T-100 • see above.

## Teleprinters & Attachment Printers

**Communications** • same as T-100 • see above.

**Features/Options** • same as T-100 • see above.

**Price/Service** • \$9,050 single-unit purchase price • OEM discounts available.

**Trilog TIP-150/TIP-300**

**Configuration** • RO.

**Printer Parameters** • 45/95/115/150 (TIP-150); 90/190/230/300 (TIP-300) 9x7/9x9 matrix • 96 ASCII char set (2 additional 96-char set; downline loadable set opt) • 132 columns at 10 cpi; 176 columns at 13.3 cpi; 220 columns at 16.7 cpi • 6/8 lpi • 16-inch adj friction platen.

**Communications** • 110 to 19.2K bps • half-duplex • ASCII • RS-232C XON/XOFF/ACK/NACK protocol.

**Features/Options** • self-test • field-upgradable from 150 to 300 lpm.

**Price/Service** • \$3,900/\$4,900 single-unit purchase price • OEM discounts available.

**Other Sources**

Trilog teleprinter terminals are available through 71 international distributorships.

**WESTERN UNION DATA SERVICES, INC (WUDS)**

One Lake Street, Upper Saddle River, NJ 07458 • 201-825-5333.

**WUDS Exchange Data Terminal 33**

**Configuration** • KSR; ASR • TTY-type keyboard • paper tape reader; magnetic tape (MSR).

**Printer Parameters** • 10 cps daisy-wheel impact • 64 ASCII char set • 72 columns at 10 cpi and 86 columns at 12 cpi • 6/3 lpi • 8.5-inch friction/pin-feed platen.

**Communications** • 110 bps • half-/full-duplex • ASCII code • even parity • RS-232C or 20-/60-mA current-loop interface • ENQ, XON/XOFF, DC1/DC3 protocol.

**Features/Options** • answerback.

**Price/Service** • \$645/\$765 (KSR/ASR) single-unit purchase price; \$40/\$54 (KSR/ASR) mo 3-yr rental • 30-day warranty on purchase; rentals include Western Union maint.

**Exchange Data Terminal 300**

**Configuration** • KSR; ASR • typewriter-type keyboard • magnetic tape (MSR) • pedestal mounted.

**Printer Parameters** • 10/15/30 cps full-char belt impact • 128 ASCII char set • 118 columns at 10 cpi • 6 lpi • 9.5-inch friction/pin-feed/adj tractor platens • horz and vert tabs.

**Communications** • 110 to 1800 bps • half-/full-duplex • ASCII code • RS-232C interface • integral modem or acoustic coupler.

**Features/Options** • vert format control; answerback.

**Price/Service** • \$775/\$1,400/\$1,300 (KSR/ASR/MSR) single-unit purchase price • \$86/\$123 (KSR/ASR) mo 3-yr rental • 30-day warranty on purchase; rentals include Western Union maint.

**Exchange Data Terminal 1200**

**Configuration** • KSR • typewriter-type keyboard • magnetic tape (MSR) • pedestal mounted.

**Printer Parameters** • 10/30/120 cps full-char belt impact • 128 ASCII char set • 120 columns at 10 cpi • 6 lpi • 13-inch tractor platen • horz and vert tabs.

**Communications** • 110 to 1200 bps • half-/full-duplex • ASCII code • RS-232C interface • integral modem.

**Features/Options** • vert format control; answerback.

**Price/Service** • \$775 single-unit purchase price; \$1,300 (MSR) single-unit purchase price • \$112 mo 3-yr rental; \$152 (KSR/MSR) mo 3-yr rental • 30-day warranty; rentals include Western Union maint.

**Electronic Data Terminal 1232**

**Configuration** • RO; KSR • 1024-char buffer • typewriter-type keyboard w/numeric keypad • magnetic tape (MSR) • pedestal mounted.

**Printer Parameters** • 10/20/30/120 cps full-char belt impact • 128 ASCII char set • 132 columns at 10 cpi • 6 lpi • 15-inch pin-feed platen • horz and vert tabs.

**Communications** • 110 to 1200 bps • half-/full-duplex • ASCII code • RS-232C interface.

**Features/Options** • vert format control; answerback.

**Price/Service** • \$2,400/\$2,500 (RO/KSR) single-unit purchase price; \$3,175 (MSR) single-unit purchase price • \$112/\$128 (RO/KSR) mo 3-yr rental; \$185 (MSR) mo 3-yr rental • 30-day warranty on purchase; rentals include Western Union maint.

**XEROX CORPORATION**

701 South Aviation Boulevard, El Segundo, CA 90245 • 213-536-7000.

**Xerox 1730 Communications Terminal**

**Configuration** • RO; KSR • 769-/2688-char line buffer; 16-char keyboard buffer • typewriter-type buffer w/numeric keypad.

**Printer Parameters** • to 40 cps daisy-wheel impact • 128 ASCII char set • 132 columns at 10 cpi; 158 columns at 12 cpi; 198 columns at 15 cpi • 6 lpi • 16.5-inch friction/pin-feed/adj tractor platens • horz and vert tabs; margins (non-vol memory) • operator-changeable ribbon cartridge (multistrike/singlestrike film and single-/2-color fabric).

**Communications** • 110 to 9600 bps • half-/full-duplex async • ASCII code • RS-232C or 20-/60-mA current-loop interface • DTR, ETX/ACK, DC1/DC3, XON/XOFF protocol/Centronics parallel interface.

**Features/Options** • vert format control; self-test; diagnostics; bidirectional print/paper; HyFeed and HyPlot vector plotting; operator-changeable wheel fonts.

**Price/Service** • \$2,395/\$2,995 (RO/KSR) single-unit purchase price.

• END

