

IMPRESSORS

compressors + impressions

CEMENTING RELATIONSHIPS

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If there is one thing that could spur economic growth of any country, it is its technology and infrastructural support and cement plays a vital role. It is anticipated that Global Cement market will grow at a CAGR of 8.88 percent over the period 2011-2015*. One of the key factors contributing to this market growth is the growth of the Global Construction industry. The Global Cement market has also been witnessing increasing demand from industrial buildings and developing infrastructures both in public and private sector.

China accounts for more than 50% of the world cement market. India is the second-largest. The country's cement production was 300 million tons in 2010; the figure is expected to double to reach almost 550 million tons by 2020, as per estimates by the Cement Manufacturers Association (CMA)*.



The cement plant needs compressed air to serve dust collectors, cylinders, air knives and pneumatic conveying. Cement industry is highly energy-intensive. They are committed to achieve low power consumption through high-level energy efficient compressed air system. The end applications where our compressors are used are for Fly ash unloading and instrument air. Other applications are Ash Handling System, Tool Powering, Pneumatic control and actuators, Cleaning, Stamping, and Conveying.

The tandem range of screw compressors are generally used in this industry. Tandem compressors are two-stage and therefore bring tremendous power savings up to 13 %. The tandem compressors can deliver Free Air Delivery (FAD) of 550 to 1100 cfm at working pressures from 7.5 to 10 bar g. Screw compressors provide the solution where the applications demand tough continuous operation too.

ELGI has been a key solutions provider of compressed air in cement industries in India for over a decade, and now have spread its wing global, by having a strong base in China.



Now Elgi Equipments is part of Jidong Cement's Successful growth, as Elgi has supplied Jidong with 31 tandem compressors. ELGI have installed compressors at Jidong, a leading Cement manufacturer in the world. This is a major milestone for ELGI. At present, Jidong Development Group owns 43 new dry process cement clinker production lines with daily output of 2500 -5000 tons, and 6 cement clinker lines with annual capacity of 1.5-2 million tons in construction.



The power ranges of these compressors are EE110/EE132/EE160 and we have placed around 43 nos in 7 plants. Elgi provides turnkey solution by offering the total compressed air system for Jidong. The capacity in Million Tons per day (MPD) is 7200 TPD. ELGI compressors are located at Jidong cements group - Shanxi, Tongchuan, Yongji, Yangquan, Pingquan, Tangshan & Huhehaote.

Courtesy:

*12th Five-Year Development Plan of China's Cement Industry (2011-15),

* Cement Manufacturers Association (CMA)

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