Iron and steel industry invests in latest technology from MAN Diesel & Turbo

Deliveries to India and Europe: Blast furnace blowers for the steel giants Tata and JSW based on MAX1 compressor technology

With further orders amounting to an eight-digit total value in euros the MAX1 technology continues to be successful in the iron and steel industry. MAN Diesel & Turbo has received orders for highly efficient compressor systems from the steel giants Tata and JSW, where they will be used as blast furnace blowers. After numerous projects in the air separation and fertilizer industries, the latest axial compressor technology worldwide now also has several orders from the iron and steel industry.

JSW Steel Limited, which claims to be the largest Indian steel exporter, has ordered two MAX1 compressor trains as blast furnace blowers for the expansion of its steel works in Dolvi, India. Each system comprises a highly efficient axial compressor with an electrical motor, as well as auxiliaries and supply units. As part of the order, MAN Diesel & Turbo also supplies a comprehensive on-site training package for the customer's local operating personnel.

"This order is a lighthouse project for us. For the first time, MAX1 technology is used in the Asian iron and steel industry," explains Dr Lothar Wallscheid, Vice President and Head of Basic Industries at MAN Diesel & Turbo. "The technological advance convinced JSW, a valued customer. With its maximum energy efficiency, high power density and unique robustness, the MAX1 technology has now also established itself in the iron and steel industry."

Another order has come from Indian steel giant Tata, which is currently seeking to merge its European division with Germany-based Thyssenkrupp. Here MAN Diesel & Turbo is also supplying a blast furnace blower based on MAX1 compressor technology to one of Tata's largest production sites in the Dutch city of Ijmuiden. A steam turbine acts as a highly efficient drive, converting the waste heat created in the plant into rotating energy. MAN delivers the entire machinery train as an optimally tuned complete package from one single source.

"With a view towards the internationally agreed climate targets, industrial producers are increasingly required to scrutinise their energy-intensive processes," emphasises Wallscheid. "With energy prices increasing in the long term, greater efficiency and fewer emissions are also clear economic
goals. As an example from the iron and steel industry, these current projects demonstrate how advanced modern technology can contribute significantly to this goal by lowering energy consumption, emissions and operating costs."

About MAN Diesel & Turbo
MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world’s leading provider of large-bore diesel and gas engines and turbomachinery. The company employs around 14,500 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company’s product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.