
Edwards install steel degassing system at Shyam Forgings

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Edwards has won an order worth more than GBP 200,000 for its new generation steel degassing system in India. This is the first system of its kind in the country and has been installed at Shyam Forgings Pvt in New Delhi.

It is being used to perform Vacuum Oxygen Decarburizing in a production environment and offers potential energy cost savings of more than 90 per cent over traditional steam ejector systems.

The single steel degassing module is being used to run the Vacuum Degassing and VOD processes to produce large degassed and decarburized castings of up to 30 tonnes for Shyam Forging's customers. The customers then use the castings to produce large machinery components for the power generation and industrial markets across Asia.

Both ultra low carbon steels (less than 0.02% carbon by weight) and low carbon stainless steels are processed through the VOD system in up to 13 ton melts for subsequent casing and machining at customers' facilities.

Edwards' dry pumping technology enables users to produce higher quality products with significantly reduced operating/energy costs. At the same time customers are able to improve their environmental impact and carbon footprint through reducing CO2 emissions, water effluent and energy use.

Mr Vikrant Sanglikar country head for South Asia of Edwards said that "Global demand for steel is growing rapidly and we are delighted to have completed our first commercial VOD processing installation in India. The successful demonstration of this vacuum decarburizing process using our dry pumping systems will allow us to confidently move forward into the larger VOD based process applications and address a growing market need."

Mr Nitin Agrawal MD of Shyam Forging said that "The Edwards system was installed after extensive product and preproduction testing at our plant throughout the year and we are very impressed with the results so far. We're now able to produce higher quality steels and in larger quantities to better serve our customers."

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