

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY - NEWS

Oct 2017

Piattaforma India Project

Newsletter No. 19



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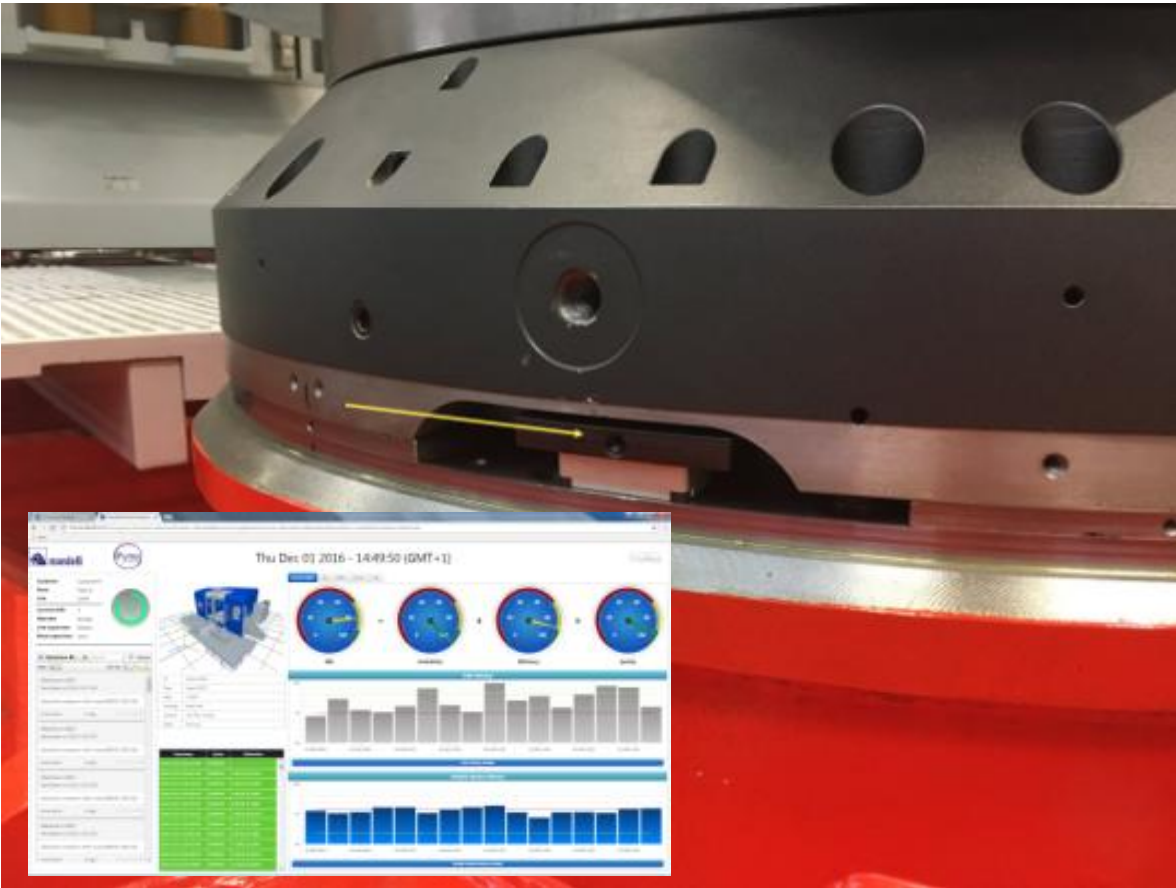
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Mandelli for Industry4.0 - Communicating Technology

HMC sensorization and data analysis to improve productive processes: this is how Mandelli Sistemi brings its users into the world of Industry 4.0.

The acquisition of process data generated by an industrial plant has now become a key tool to obtain useful information. While it is true that sensors on machine tools are certainly not a novelty (in the picture below, the balancing sensor for a turning table), it is also true that nowadays the entire manufacturing sector is very much in need of collecting a large amount of data generated by machining processes as to use them in a more complex system made of SW and management applications capable of distributing different information to the various company departments to enable technicians, operators and managers to make the most suitable choices at the right time or even make them autonomously to optimize processes.

Mandelli's triggering cause "that started this project was the will to offer an efficient predictive maintenance service to the customers and iPum@Suite 4.0 is a new system of products and services integrating all data collection, process and management operations to allow customers to fully manage the workflow and assess the real wear to which the HMC components are subject thanks to all the incoming data, without affecting the privacy associated with the customer's manufacturing and production cycle. Just like a sort of check-up, the HMC "health status" can be analyzed in real time and in any operational condition, with immediate notice remotely available on smartphone, tablet and PC in simple "mashup" pages, like the one here attached. The interest in these issues is proving to be very high especially by large and structured companies because there is greater and greater awareness and understanding that these tools can improve the efficiency of their production.



www.mandelli.com/en/

The project **Piattaforma India** has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

Contact information of Piattaforma India desk:

Mr. Nilesh Joshi

Manager - Italian Machinery Desk in India



C/o The Indo Italian Chamber of Commerce and Industry
349 Business Point - Office No.501, 5th Floor

Western Express Highway, Andheri (East)
Mumbai 400 069 (India)
Tel. : +91 22 67728186
Mob.: +91 9320888873
Fax. : +91 22 67728191
Email : italianmachinery@indiaitaly.com