

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY - NEWS

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Piattaforma India Project

Newsletter No. 25



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SPARK 3500 – THE NEW LARGE SIZE MACHINING CENTER

Con Spark 3500 Mandelli Sistemi takes the first step back into the world large size machining centers mainly addressed to the Oil&Gas and Precision machinery industrial sector, characterized by machining operations that require high stock removal in roughing and finishing accuracy as well as high loads on the rotary table.

Following the design philosophy of the Spark Line, Spark 3500 features an FEM reticular thermo-symmetrical high rigidity structure, an excellent ratio between fixed and movable masses, double ball screws on the Y and Z axes and a Direct Drive technology on the rotary table which provides the absence of backlash. However, it differentiates itself for the double-pinion and rack kinematics on the X axis that provide speed and dynamics also on long travels as well as for the X axis guide-ways staggered design that reduces the lever effect of the cutting forces to improve the Y axis rigidity.

A series of last generation electro-spindles and mechanical head entirely designed and manufactured by Mandelli guarantee high torque machining operations typical of these industrial sectors.

Spark 3500 is equipped with the [iPum@suite4.0SW](#) for the digitization and integration into production systems.



Spark 3500 with a mechanical tilting head

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:

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