

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY - NEWS

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Piattaforma India Project

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A M A P L A S T


UCIMU-SISTEMI PER PRODURRE

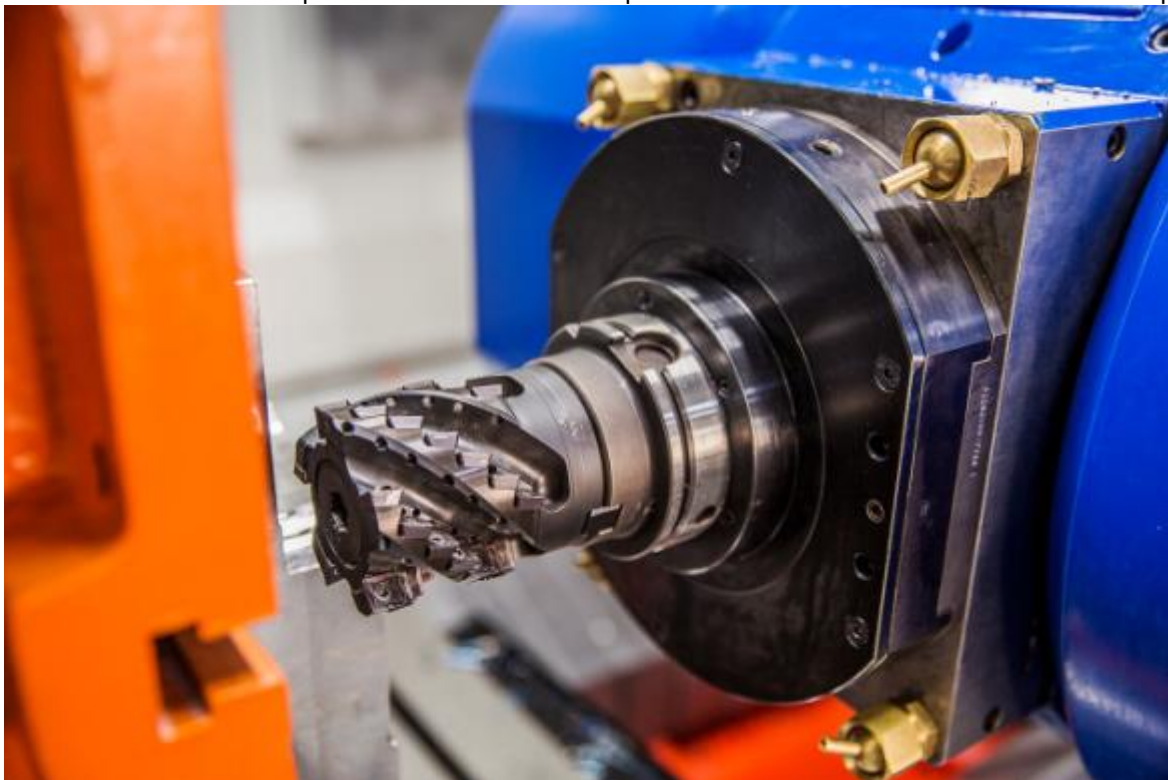
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Structural rigidity, high spindle torque, vibration control and sensorization. These are the main features with Spark Ti, Mandelli's 5 axis machining center for titanium, steel processing and high resistance alloys machining.

Titanium and titanium alloys have found widespread use in areas requiring lightweight structures able to withstand major stresses, such as Aerospace, where they are used to produce both structural elements and components for landing gears. According to Mandelli, the ideal solution for Titanium machining in Aerospace is a 5-axis machining center with high stock removal rate. Thanks to the double drive tilting head capable of generating a 12,000 Nm continuously controlled torque and an automatic backlash recovery system, Spark Ti performs 5-axis roughing operations ensuring surfaces close to those of the finished work-piece and high precision finishing operations without the typical signs of traditional mechanical transmissions. Spark Ti line also features specific solutions dedicated to vibration damping



with a series of active devices on the linear and rotary axes that activate dissipation systems when vibrations occur. Such systems disperse the energy caused by vibrations by canceling the negative effects in the machining and preventing the structure from resonating. In addition, the use of HSK100 or HSK125 tool tapers providing adequate structural support, bending strength and a significant lubricant flow to the tool to allow for lower working temperature of the cutting parts and ensuring better chip removal make Spark Ti the ideal ally for truly optimal results.

Thanks to the spindle and tilting axes high torque, Spark MCs allow 5X roughing operations on hard materials.

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:

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