

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

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UCIMU-SISTEMI PER PRODURRE



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**GMG**

## **MAGIC THREE LATHE FOR MEDIUM / HEAVY MACHINING OPERATIONS**

The generous 3-guides **GMG** mod. **MAGIC THREE** lathe allows medium/heavy machining operations. The machine is 100% Italian made starting from the casting. The carriage is supported by a double “V” prism (plus third guide under the carriage) compares to the spindle-tailstock line, which has a flat guide and a V guide and can be enhanced by a solution with motorized, independent and/or in cycle manual or hydraulic steady rests eventually retractable and hidden. The bed is made of a single monolithic casting on the ground, with a width that varies from 800, 1200 to 1500 mm depending on the working capacity and therefore on the load capacity. The centre of gravity is extremely low, which gives great rigidity so that large diameters can be machined without penalising the head rotation speed in order, if necessary, to work even smaller diameter. Unique for this type of machine is the accessibility for the operator: the section of the bed has the first guide lowered so as to be able to access, on a support grid in total safety, the inside of the machine in setting mode to carry out, for example, measurements and process checks. Basically, it is possible to carry out machining operations with the capacity of a lathe with 3/4 guides but with the accessibility and practicality of a 2 guide. So the rear cabinet and the double chip conveyors guarantee a good step ahead in chip and coolant management for lathes in such big category. Possibility to apply milling column with Y-axis from 280 to 500 mm and B-axis thought rotary table or thought milling indexed or millesimal head. Is possible load on/unload on all the devices: turning turret, milling unit, boring bar unit, grinding unit automatically thought an hydraulic clamping system. The C axis can be managed through double motor system on the head and dedicated brake.



# make

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The staff is made by team of highly qualified people, operating in a single new structure built in a logistically strategic center in Lombardy. The **MAKE's** strength is the highly specialized workforce.



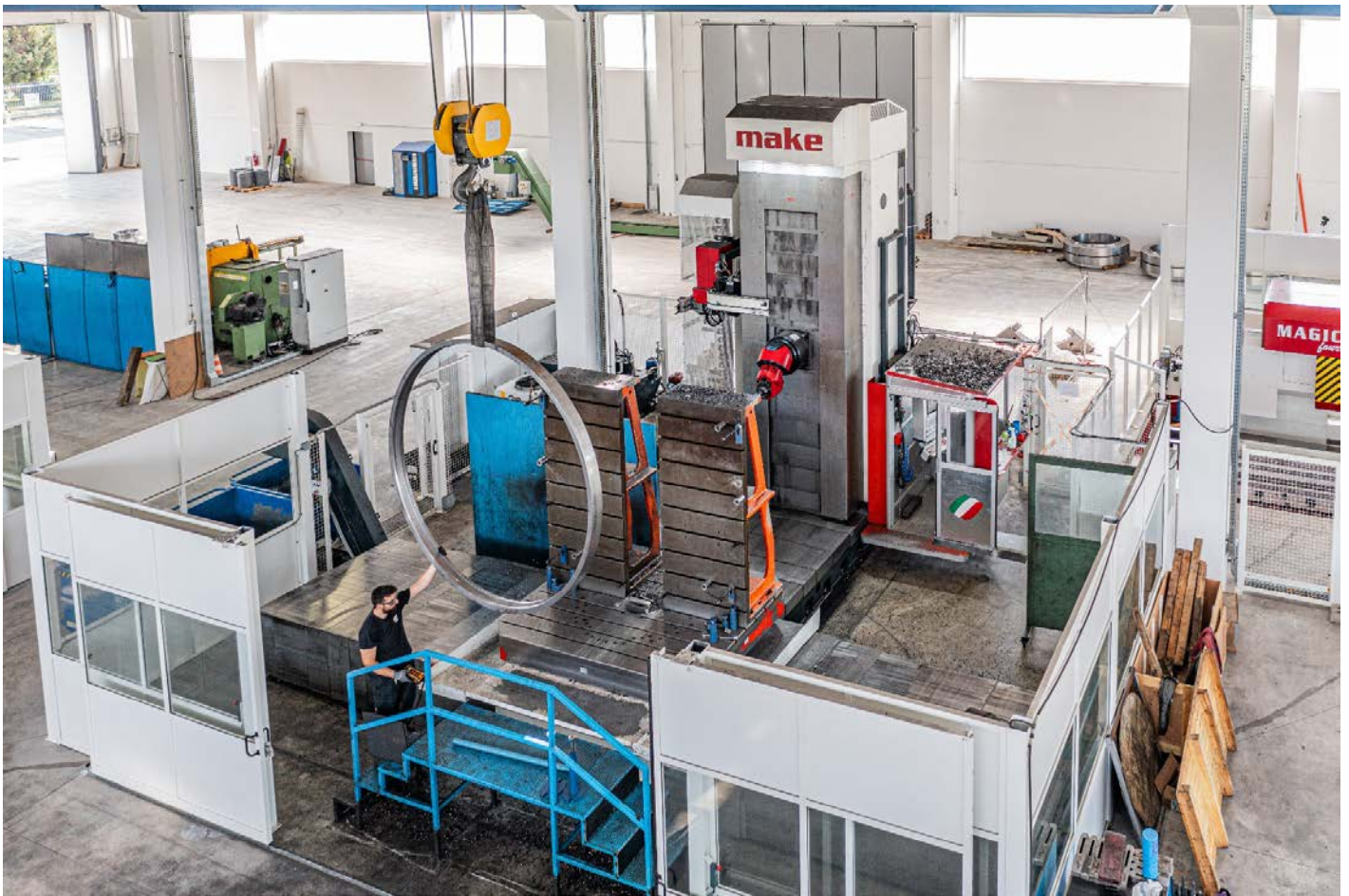
The result is the realization of **Italian machines** with **thermo-symmetrical double column** which **centrally incorporates the spindle (BOX IN BOX system)**. Where you find on Y axis 2 guides on vertical stroke and 2 guides on the rear opposite side (plus the preload cylinders on the 4 back runners) and double ball screws. More the RAM come out with 4 guides and 2 active motor hydraulic ties on proportional system plus 2 special motors recover the gravitational flexion and the elasticity of the cast-iron. More the compensation system for bending and the thermal expansion of the RAM are managed by a special material (insensitive to the temperature) large used in the aerospace field.

This, together with new technologies originating from the market, represents the desire to progress and propose new and effective technical solutions. Not least Make offers a prompt and skilled service of after sales and spare parts, with the implementation of a remote teleservice according to **4.0 Industry** rules, in order to ensure a problem resolution as quick as possible.

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- Floor type Milling machine: **ALTAIR HEAD**



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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**  
**Business Manager - Italian Machinery in India**



C/o The Indo Italian Chamber of Commerce and Industry  
11th Floor, Tower - A, Urmi Estate 95, Ganpatrao Kadam Marg,  
Lower Parel (W), Mumbai 400013, Maharashtra  
P: +91 22 67728186  
Mob : +91 7666795385  
Fax : +91 22 67728191  
Email : [italianmachinery@indiaitaly.com](mailto:italianmachinery@indiaitaly.com)