

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 92



UCIMU-SISTEMI PER PRODURRE



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GMG

MAGIC FOUR LATHE FOR LARGE AND HEAVY MACHINING OPERATIONS & THERMO-SYMMETRICAL DOUBLE COLUMN MACHINES



The generous 4-guides **GMG mod. MAGIC FOUR** lathe allows large and heavy machining operations. The machine is 100% Italian made starting from the casting. There are 2 separated and monolithic bed in order to reach diameter over cross slide from 1800 mm to 2500 mm and to obtain 2 different and independent ways between carriage and spindle tailstock line. So, the steady rests can walk off the carriage and it can be independent, motorised, hydraulic, in CNC cycle, eventually retractable and hidden ones. And the guides are longer over the head and over the tailstock in order to put hidden second carriage dedicated for example for big boring bar capacity. Basically, it is possible to carry out machining operations with the capacity of a lathe with 4 guides but with the accessibility and practicality of a 2 guides one even thanks to the box operator from where it's possible to view all the process and in case go inside the machine in order to carry out measurements and to work checks while the machine is in "setting mode" and in total safety. 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. It's possible load unload on all the devices: turning turret, milling unit, boring bar unit, grinding unit automatically through a hydraulic clamping system. The C axis can be managed through double motor system (master and slave system) on the head and dedicated brake.



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make



MAKE was born from the experience of our technical designers and from the technological and mechanical development in the construction of high-precision machine tools.

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 moto hydraulic ties reds 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 after sales service, with the implementation of a remote teleservice according to **4.0 Industry** rules, in order to ensure a problem resolution as quick as possible.

Make also provides training for operator, maintenance and programming.



MAKE range of products includes:

- T type Boring machine: **HYDRA 110/130/160**
- T type Boring machine: **HYDRA RAM 130/160**
- T type Milling machine: **HYDRA MILL**
- Floor type Boring machine: **ALTAIR 130/160/180**
- Floor type Milling machine: **ALTAIR HEAD**

MAKE offers to the customers significantly innovative products and highest standard, in order to obtain different and customized configurations, with several type of attachments and tables, that meet all range of market's demands.

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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:

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