



QUALITY
Security and reliability
of products Fagima

SPECIAL PRODUCTS
Design of custom machinery

USED TECHNICAL CHARACTERISTICS
Carefully Reviewed



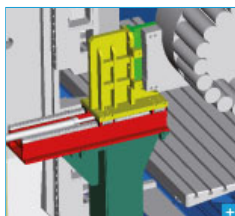
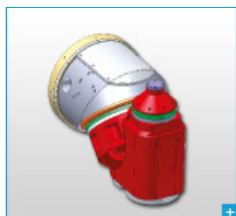
Bed type milling center



The bed type milling machine model **MMO** is designed to offer to the end user a flexible and reliable piece of equipment to satisfy a wide variety of machining applications.

The very rigid structure, the high dynamics of the machine and the availability of the indexable milling head will allow for high chip removal, good geometrical accuracy and high machining efficiency.

In particular, the use of the indexable milling head will offer the possibility to machine 4 faces of the workpiece in a single set-up avoiding downtime due to subsequent workpiece settings.



Additional advantages will be offered by the use of a cnc rotary table in place of the fixed table, allowing to complete the machining of 5 faces with "any" orientation of the work faces.

As a consequence, productivity will be improved and the return of the investment will be much faster.

The machine splashguard allows for easy access to the work area for every fixturing need. It has been designed with the machine structure to guarantee efficiency in the chip and coolant evacuation for a safe and clean environment. The rear access door allows the operator to follow and intervene during machining operation with horizontal spindle.

Chip and coolant removal is optimized by the use of two chip conveyors, one on each side of the work table. The MMO offers easy access to the work zone and easy chip/coolant evacuation.

ERGONOMICS
Operator panel
It allows for the complete control of all machine functions. The swing arm and the remote control panel give the operator the freedom to follow the work phases from the most convenient position.

Different types of CNC can be utilized:

- HEIDENHAIN
- FANUC
- SIEMENS
- Z 32 (D. ELETTRON)
- ECS
- SELCA.

Different types of milling heads are available to properly respond to every production need: index H/V, index 2.5°, index CONT.





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MMO - Caratteristiche tecniche - Technical features

		Mod. 2200	Mod. 3200	Mod. 4000
Strokes				
Table Longitudinal (X)	mm	2200	3200	4000
Column cross (Y)	mm	950	950	950
Head vertical (Z)	mm	900 (1200)	900 (1200)	900 (1200)
Work Table				
Table clamping area	mm	2500x800	3500x800	4300x800
T-slot – number x width x pitch	mm	7x22x10	7x22x10	7x22x10
Max. loading capacity	kG	3000	4000	5000
Table height from floor level	mm	810	810	810
Spindle				
Speed – cont. in two ranges	rpm	30-4000	30-4000	30-4000
Motor power - S1/S6	kW	20/30	20/30	20/30
Torque - S1/S6				
Ratio 1:1	NM	153/229	153/229	153/229
Ratio 1:4	NM	611/917	611/917	611/917
Tool Taper DIN 69 871 A		ISO 50	ISO 50	ISO 50
Tool Clamping force	N	16000	16000	16000
Feeds				
Rapid rate x,y,z	m/min	20	20	15
Auto Tool Changer				
Total positions		20 (30)	20 (30)	20 (30)
Max. tool length	mm	400	400	400
Max. tool diameter	mm	130	130	130
Max. tool diameter with gap	mm	200	200	200
Max. tool weight	kG	20	20	20
Tool exchange time	sec	5	5	5
General information				
Total absorbed power	kVA	50	50	55
Machine weight	kG	14000	17000	20000

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