

QUALITY
Security and reliability
of products Fagima

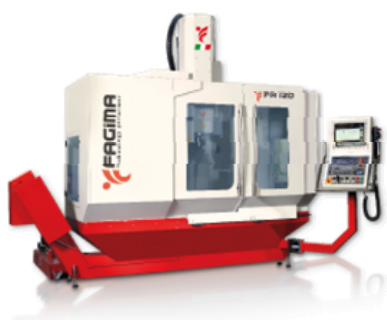
SPECIFICATIONS
SPECIAL PRODUCTS
Design and manufacture
of custom machinery

TECHNICAL CHARACTERISTICS
USED
Range of used machinery,
carefully reviewed

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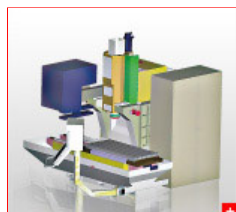
FA 120

T type Vertical machining center



FA120 is a "T" type vertical machining center 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 and the high dynamics of the machine will allow for high chip removal, good geometrical accuracy and superior machining efficiency.



The movement of the table in the X direction only offers the operator superior comfort: part load/unload/inspection and chip removal will be very convenient for the easy access to the table and its closeness to the machine edge.

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

The configuration of the machine offers very compact overall dimensions with reduced need of floor space in the workshop.

Auto tool changer

The auto tool changer is drum type with random management. The cam operated system allows for a tool change time of approx. 3 sec..



Spindle head

The std machine configuration foresees the use of a 10,000 rpm spindle with direct transmission. To allow for high speed milling technology, electrospindles with 12,000-18,000-24,000 rpm are available as an option.

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.

Ergonometry

The FA120 offers max accessibility to the work zone and easy chip/coolant evacuation.





TOP

FA120 - Caratteristiche tecniche - Technical features

Strokes					
Table longitudinal (X)		mm			1120
Head cross (Y)		mm			600
Spindle vertical (Z)		mm			540
Work Table					
Table size		mm			570x1250
T-slot - number/ width / pitch		mm			5/ 18/125
Max. load admitted		kG			1000
Table height from floor level		mm			810
Spindle			direct	el. spindle	el. spindle
Max spindle speed	rpm		10000	14000	18000
Spindle power - S1/S6	kW		10/14	15/18.9	20/28
Spindle torque - S1/S6	NN		63,7/89.4	74/100	69/104
Spindle taper			ISO40	ISO40 HSK-A63	HSK-A63
Tool clamping force	N		12000	18000	25000
Min distance spindle nose/table	mm		100	90	90
Feeds					
working feed		mm/min			0 - 15000
rapid rate X/Y/Z		m/min			40/40/30
Auto tool changer					
tool positions					20 (30)
max. tool length		mm			250
max. tool diameter		mm			80
max. tool diameter with gap		mm			125
max. tool weight		kG			8
tool exchange time		sec			3
General information					
Total absorbed power		kVA			26
Machine weight		kG			5800

TOP