

High Speed Vertical Machining Center

ITEM	KM-500L	
CNC CONTROL		Mitsubishi M70
TRAVEL	X-axis	550 mm
	Y-axis	400 mm
	Z-axis	400 mm
	Spindle nose to table	100-500 mm
	Spindle nose to column	410 mm
	Feed rate X/Y/Z	36 m/min (48 Opt.)
TABLE	T-slot	14 x 100 x 3 mm
	Table loading capacity	200 Kg
	Table working surface	600 x 400 mm
SPINDLE	Spindle speed	Direct-drive 12000 rpm (Standard)
	Spindle taper	MAS-BT30
TOOL MAGAZINE	Tool holder	BT30
	Tool storage capacity / type (pcs)	20/Arm, 16/Arm (Opt.)
	Tool change time	0.8 sec
MOTOR	Spindle motor	4.6 Kw
	X/Y/Z axis motor	1.5 Kw / 1.5 Kw / 2.0 Kw
MACHINE SIZE	Machine dimension	1950 x 2130 x 2155 mm
	Machine weight	2800 Kg
ACCURACY (VDI 3441)	Positioning accuracy	±0.004
	Repeatability	±0.002

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms...etc. to improve the performance of the machine without notice, all the specifications shown above are just for reference.

STANDARD ACCESSORIES:

- Heat exchanger
- Full splash guard
- Splash guard lighting device
- Chip auger
- Alarm lamp
- Linear ways
- Spindle oil chiller
- Auto. power off
- Spindle air blast
- Rigid tapping (Built-in option)

OPTIONAL ACCESSORIES:

- Siemens 802D/828D
- Fanuc 0i/31i
- Fagor 8055i/A
- Spindle Direct-drive 15000 rpm
- Spindle Built-in 24000 rpm
- Spindle Direct-drive 8000 rpm (BT40)
- Linear scale
- 4/5 axis NC Rotary table
- Oil skimmer system



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PRIMERO
KM-500L



THREE AXES LINEAR WAYS

High Speed *Vertical* Machining Center

PRIMERO KM-500L

A high speed machining center designed to help you stay competitive.

With the Primero High Speed Vertical machining center, you get high speed machining performance with accuracy you've come to expect. That's why it is ideal for those who require higher efficiency to stay competitive.

The Primero KM-500L is equipped with a 12,000rpm direct-drive spindle. Upon request, 15,000rpm and 24,000rpm spindle speeds are available. It's rugged construction ensures maximum stability during high speed machining.



KM - 500L

OVERSIZED COLUMN CONSTRUCTION

The box type column is a heavy construction with enlarged bottom to enhance its exceptional rigidity and stability.

MASSIVE BASE

The box type base is designed to provide a solid support for heavy load without deformation.

LINEAR WAYS ON THREE AXES

The X, Y, Z-axis are mounted with precision linear ways in combination with great span between ways, providing high rapid traverse and maximum stability.

RUGGED SPINDLE HEAD

The spindle head is designed to resist heavy cutting with minimum vibration.

TABLE & SADDLE

The table and saddle are ruggedly constructed to exhibit ultra-high stability and smoothness of travel.



MITSUBISHI M70 CNC CONTROL (Standard)

- Siemens 802D/828D, Fanuc 0i/31i, Fagor 8055i/A. (Optional)
- Syntec PC-based control. (Optional)

CONTACT TYPE AUTOMATIC TOOL MEASUREMENT DEVICE (Optional)

The Renishaw TS-27R tool measurement device is suitable for measuring tool length and diameter.



ARM TYPE MAGAZINE 20 TOOLS (BT30) (Standard) 16 TOOLS (BT40) (Optional)

The arm type magazine allows for bi-directional, random tool selection for quick tool change.



CHOICE OF VARIOUS SPINDLES

- 12,000rpm (BT30) direct-drive spindle (Standard)
- 15,000rpm (BT30) direct-drive spindle (Optional)
- 24,000rpm (BT30) built-in type spindle (Optional)
- 8,000rpm (BT40) direct-drive spindle (Optional)
- 8,000rpm (BT40) belt-drive spindle (Optional)