

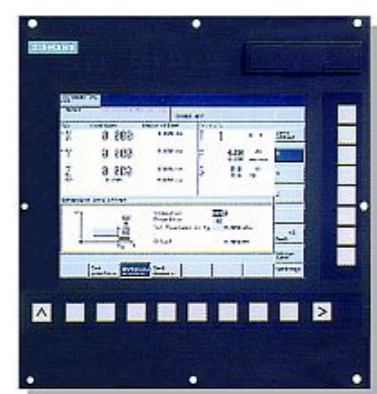
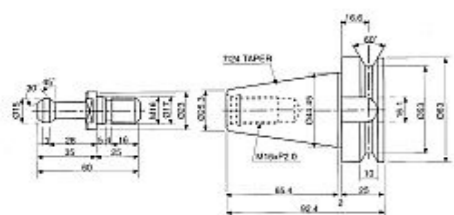
FEATURED MACHINE

KM-150



with optional accessories

PULL-STUD TOOL SHANK (BT-40)



Siemens 802D

CNC CONTROLLER



Mitsubishi 64 M



Fanuc Oi-MC



Syntec 900M



Fagor 8055M



Anilam 5300M

SPECIFICATIONS

MODEL		KM-80	KM-100	KM-120	KM-150	KM-158	KM-170	KM-200	KM-220
TABLE									
Table Surface	mm	355 x 1270	406 x 1370	420 x 1600	450 x 1800	610 x 1854	762 x 1830	810 x 2180	810 x 3000
T-slot		16/3T	16/3T	16/5T	16/5T	18/5T	18/5T	18/5T	18/5T
Table load capacity	kg	500	600	850	1000	1500	1500	1800	2000
TRAVELS									
X travel	mm	800	1000	1300	1500	1500	1700	2000	2500
Y travel	mm	400	500	635	650	850	850	850	850
Z travel	mm	450	530 (620)	620	620	710	710	710	710
Spindle center to column	mm	400	500	600	630	870	870	870	870
Spindle nose to table	mm	100-550	100-630	100-720	100-720	100-810	100-810	100-810	100-810
SPINDLE									
Taper of spindle nose		BT40 (Option: CAT40 or DAT40)							
Spindle speed	rpm	6000 (Option: 8000 or 10000)							
FEED									
Rapid on X, Y, Z axis	mm/min	8000 (Option: 20000)							
MOTOR									
Spindle motor	HP	7.5	10	10	15	15	15	20	20
GENERAL									
Power required	KVA	15	15	20	20	20	30	30	35
Machine weight	kg	2500	3000	4000	4500	6000	6500	7000	10000
Measurement (LxWxH)	mm	1950 x 2100 x 2200	2080 x 2280 x 2200	2510 x 2200 x 2400	2610 x 2200 x 2440	3000 x 2280 x 2550	3000 x 2280 x 2550	3000 x 2280 x 2550	3500 x 2280 x 2550

STANDARD ACCESSORIES

1. PC-based control
2. Table splash guard
3. Power draw bar
4. Column both side splash guard
5. Chip pan
6. Frequency inverter control
7. Automatic lubrication
8. Coolant system
9. Halogen lamp
10. Toolkit box and tools

OPTIONAL ACCESSORIES

1. Rigld tapping
2. Full enclosed splash guard
3. Mitsubishi 64M control
4. Fanuc Oi-MC control
5. Fagor 8055M control
6. Anilam 3300M / 5300M / 6300M
7. Siemens 802D / 810D
8. 8000/10,000 RPM spindle
9. Screw type chip conveyer
10. 16 tools Armless ATC
11. 24 tools Arm ATC



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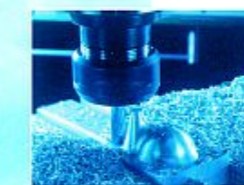


CE MARK APPROVAL



CNC MILLING MACHINE

Versatile & Reliability



PRIMERO MACHINE TOOLS CORP.



POWERFUL DESIGN WITH FULL — FEATURED MACHINE

- ▶ 1. Extra wide base slideways combined with narrow way of straightness guide, ensuring high accuracy.
- ▶ 2. The three axes employ high precision ball screws for maximum feeding accuracy.
- ▶ 3. The slideways X, Y, Z axis are hardened. The table surface is heat treated. The T-slots are precision ground, ensuring high accuracy and rigidity on table.
- ▶ 4. The slideways are coated with Turcite-B for extremely smooth traverse.
- ▶ 5. HTD timing belt provides high torque transmission effect.
- ▶ 6. The accurate counter-balance weight ensures service lift of ball screw and machining accuracy. An additional lifting hole prevents column from collision while in transport.
- ▶ 7. The surface accuracy is precisely inspected by a laser system.

KM-150



with optional accessories

KM-120



with optional accessories

KM-200



with optional accessories



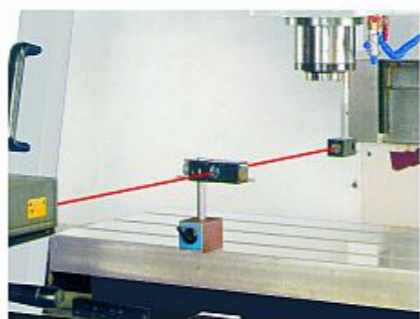
KM-100

with optional accessories



High Precision Spindle

- ▶ P4 class high speed angular contact ball bearing offers superior axial thrust capability.
- ▶ The long nose spindle allows for machining workpiece cavity without bumping against the workpiece.



Laser inspection

- ▶ The advanced laser unit is employed to check the linear accuracy.
- ▶ The machine offers positioning accuracy up to $\pm 0.005\text{mm}/300\text{mm}$ and repeatability accuracy up to $\pm 0.003\text{mm}$



Double nuts ballscrew

High precision ballscrews are pre-load to ensure accuracy and reduce thermal deflection.



Chip Cleaner

Chip clean system to wash chips to the chip pan.



Geneva type ATC

16 - tools Armless upgrades efficiency greatly.



4th axis CNC rotary table



Spindle oil cooler

OPTIONAL ACCESSORIES