High Precision Variable Speed Universal Tool Milling Machine with Advanced Servo-Motor Drive and Preloaded Ball Screws on all Axes Perfect for Powerful Vertical and Horizontal Machining



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This kind of MM-FPK4.3 high precision universal Tool-milling Machine has Vertical and Horizontal Machining Capacity, features powerful Servo Motor drive and Preloaded Ball Screws in all three axes is designed for processing work-pieces up to 200 KGS. The compact design, which offers a lot of flexibility and at the same time is very easy to use, has proven itself many times and has been interpreted in a modern way.

Main Feature :

Convincing Arguments : Quality, Efficiency and Price

- Solid Working Table 800 X 400 mm with Maximum Loading Capacity 200 KGS
- Compact design with large work table and large travels for versatile use
- Automatic feed on all axes, infinitely variable and with fast rapid feed
- Vertical and Horizontal milling spindle
- Machine column made of premium cast-iron, ensures dynamic rigidity and constant precision
- High Precision preloaded ball screws on all axes
- Ergonomically arranged controls and a swiveling control panel for maximum operator comfort
- Electronic hand-wheels for manual travel in all axis
- Infinitely variable main spindle drive with counter gear offers wide speed range with high torque
- The vertical cutter head swivels and the quill can be moved manually
- Ball screws in all three-axis minimize play
- Optimal adjustments of spindle speed and feed for economic machining of various materials
- Swiveling mill head for horizontal milling
- Gear wheels saturated in oil ensure smooth operation
- Stepless feed settings and rapid feed in all axes, driven by advanced servo motors
- Rigid outer arbors for horizontal milling
- Central lubrication system
- Variable speed adjustment via frequency inverter with optimal torque and constant speed
- Machine body in heavy construction for vibration-free run
- Extensive accessory package included
- 3-axis Digital Position Indicator is optional
- Certificate of Original (CO, FORM A, FORM E, FORM F)



Technical Data :

Product Name :	High Precision Universal Tool Milling Machine with Servo-Motor
Product Item :	MM-FPK 4.3
Working Area	
Table Size :	800 X 400 mm
Table Load Capacity :	200 KGS
T-slot Size :	6 piece X 14 mm X 63 mm
Vertical Table :	1020 X 225 mm
T-slot Size (Vertical Table) :	3 piece X 14 mm X 63 mm
Travels	
Travel Longitudinal (X-axis) :	500 mm
Travel Cross (Y-axis) :	400 mm
Travel Vertical (Z-axis) :	400 mm
Vertical Milling Head	
Spindle Taper (Vertical) :	ISO 40
Spindle Speed (Vertical) :	40 — 2000 RPM
Vertical Head Adjustment Range :	-90 to +90 degree
Travel Pinole :	60 mm
Spindle Center — Column (min) :	165 mm
Spindle Center — Column (max) :	570 mm
Horizontal Milling Head	
Spindle Taper (Horizontal) :	ISO 40
Spindle Speed (Horizontal) :	40 — 2000 RPM
Feed	
Feed Speed (X/Y/Z-axis) :	10 — 1000 mm/min
Rapid Feed (X/Y/Z-axis) :	1200 mm/min
Feeding Motor (X/Y/Z-axis) :	7.7 /7.7 /10 Nm (Servo Motor)
Drive Capacity	
Main Motor :	3700 W
Coolant Pump :	90 W
Gross Weight :	1650 KGS
Packing Size :	1750 X 1860 X 2100 mm
Standard Accessory :	Central Lubrication System, Coolant System, Work Lamp, Horizontal Milling Arbor, Chip Tray, Reducing Sleeves, Counterholder for Horizontal Milling, Collet chuck with Collets, Tools and Toolbox