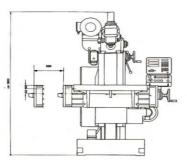
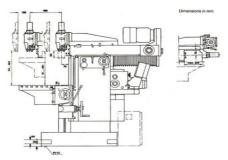


FP4MD Thechnica	al Specif	ication		
MOVING AXES				
Longitudinal travel (X)	mm	500/490 ( 20")		
Cross travel (Y)	mm	400/390 (~ 16")		
Vertical travel (Z)	mm	400/385 (~ 16")		
Quill stroke Z axis	mm	80 (3")		
Horizontal traverse of Headstock (ARM)	mm	150 (6")		
Swivel of Headstock		0 to ±90°		
MAIN SPINDLE				
Power / Speed of motor	Kw / rpm	3.7~ 4.4 / 1400 ~ 2800		
Spindle speed range	r.p.m	502500		
Number of spindle speeds		18		
Adjustable speed		1.25		
Spindle taper	DIN 69871	ST 40 (M16)		
Tool Clamping	Manualy			
FEED DRIVE				
Power of motor	Kw	0.8 / 1.2		
Rapid rate	mm/min	1300		
Feedrate	mm/min	8630		
VERTICAL TABLE				
Clamping surface of table	mm	842 × 274		
Number & Width of T-slots	mm	4 (14H7)		
Distance between T-slots	mm	63		
Max. load in Vertical table	Kg	600		
HORIZONTAL TABLE				
Clamping surface of table	mm	800 × 460		
Number & Width of T-slots	mm	7 (14H7)		
Distance between T-slots	mm	63		
Max. load in Horizontal table	Kg	400		
DIDITAL MEASURING SYSTEM				
Readout Accuracy	mm	0.005		
Digital linear scale Accuracy	mm	0.005		
GENERAL SPEC.				
Working Aria	M	2.8 × 3		
Weight of machine	Kg	1415		
Main Voltage	Hz	380 v50		
Main Power	KVA	7.5		
Packing Dimension (Lx Wx H)	M	1.85 × 1.56 × 2.0		





### **Features**

# Meehanite cast iron. Hardening guide ways Manual tool clamp Hand-wheels on all 3 axes Adjustable vertical milling head w Chip guard (carriage mounted)

Locking on the milling head Rigid table

Main spindle drive Gearbox system for feed & spindl Tilting Rotary Table General lubrication manually for c Dividing Plate device

Mechanical brake in main motor Kind of Hydraulic Vise Readout and Digital linear scale f Angular Milling Vise Mounted control cabinet

Tool mount SK40 DIN 69871 with Adjustable lamp

Swarf & splash guard pan

Tooling (All cutting tools, tool holder, special tool for operations)

Controlling tools (All measuring & test devices)

Spare parts for 2 & 5 years

Hydraulic clamp system

Working light system

Taper Milling Arbor

Manual Rotary Table

PLC controling

Slotting Head

Lubrication injector system

#### **Optional Equipment** Standard Equipment

Manual lubrication system Coolant system Manual tool clamp system Support arbor Test sample tool Hand grease gun Plastic cover for toolholder Set of operating tools 1 year mechanism warranty 5 years technical support Instruction handbook

## **Operation Tools**

Allen Wrench 4 Allen Wrench 5 Allen Wrench 6 Allen Wrench 8 Handles Allen Wrench 6 Handles Allen Wrench 10 Ring Wrench 13\*12 Ring Wrench 19\*17 Flat Wrench 22\*20 Longe T-Handle Allen Wrench with key

Cover Logo

Grease gun

# **Compare of Milling Facilities**

Compare or winning	demities					
Items	FP4M	FP4MD	FP4MK	FP4MH	FP4MHD	FP4ME
Dimension	Similar	Similar	Similar	Similar	Similar	Similar
Coolant system	Yes	Yes	Yes	Yes	Yes	Yes
Axial lubrication system	Nuzzle - Manual	Nuzzle - Manual	Nuzzle - Manual	Auto - Injector	Auto - Injector	Auto - Injector
Headstock lubrication	Timer - Analog	Timer - Analog	Timer - Analog	Automatic	Automatic	Automatic
Tool clamping system	Manual	Manual	Hydraulic - Manual	Hydraulic - Manual	Hydraulic - Manual	Hydraulic - Manual
Feed control	Gearbox	Gearbox	Gearbox	PLC control With -	PLC control With -	CNC control With
Measuring system	No	Digital linear scale	Digital linear scale	No	Digital linear scale	Encoder
Control system	No	DRO -	DRO	PLC	PLC-DRO	CNC
Spindle system	Step speed - Gearbox	Step speed - Gearbox	Step speed - Gearbox	Continuous speed with inverter- Gearbox	Continuous speed with inverter- Gearbox	Continuous speed with inverter- Gearbox
Main motor braking system	Mechanical break	Mechanical break	Mechanical break	Electrical break	Electrical break	Electrical break
Splash guard	No	Yes	No	No	No	No
Alarm system	No	No	No	Yes	Yes	Yes
Traveling system	Lead screw	Lead screw	Lead screw	Lead screw	Lead screw	Ball screw
Support arbor	Yes	Yes	Yes	Yes	Yes	Yes