

Manufacturer of universal milling and drilling machines

FPS Werkzeugmaschinen

FPS 500M

User-friendly, high-quality
 universal milling and drilling machine

NEW MACHINE

Item number: **10500**



Display

3-axis FPS active digital display with swivelling control panel.

Application

Actual value display and easy to operate active digital display.
 Incremental chain measurement and absolute distance measurement
 – Positioning with direction indication via additional LEDs on the machine

Technical data:

Axis travel	500 / 350 / 400 mm X / Y / Z
Tool holder	SK40 DIN 69871
Clamping system	M16 (standard) / DECKEL S20 x 2 (option)
Work spindle	Vertical and horizontal. Vertical manually telescopic by 80 mm Horizontal manually telescopic 100 mm (option). Milling head manually tiltable +/- 90°
Speed range	25 – 2500 rpm geometrically stepped direct gear transmission with 18 speed stages for maximum torque / milling performance.
Feed	Stepless adjustable digital feed motor 5-500 mm/min
Rapid traverse	1500 mm / min - stepless adjustable.
Fixed table	800 x 420 mm; max. load 400 kg

Switch cabinet electronics

CE-compliant switch cabinet electronics in accordance with the
 current regulations of the trade insurance associations
BGVA 3 / DIN-EN 60204-1

Safety / brake motor

When the speed stops, the milling spindle comes to an immediate standstill

Options

Machine lamp	Permanently installed chip pan
Minimum quantity lubrication	Protective bellow Z-axis
Universal table	Rotary table
Index head	Overarm
Special painting	etc.

Space requirements - Connection values

Machine weight 1450 kg incl. fixed table and milling head

Switch cabinet weight 140 kg

Space requirements 2235 x 1875 x 2000 mm W / D / H

Power Consumption 7 kVA

Mains connection 3 x 400 VAC 50 Hz

Electrical supply TN-S / fixed connection

Max. fuse 20A



**According to new machine
EN / ISO standards**

EN ISO 12100, EN ISO 13857, DIN EN 13128:2009-09,
EN ISO 13850, EN ISO 13849, EN 60204-1