

## Data sheet



# FPS 500M<sub>hydro</sub>

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

**n e w m a c h i n e**  
 with hydraulic  
 tool clamping

Item number : **2209-500**

### Display

Heidenhain Positip 8016 touch aktiv digital

### Application

12" screen with touch - operation, graphic positioning aid, cutting data calculator, integrated operating instructions, USB - data interface for reading in and out data / programs, direct measuring systems in all axes, positioning accuracy 0,005 mm

## Technical Data

### Axis travel

X / Y / Z 500 / 400 / 400 mm

### Tool holder

SK40 DIN 69871

### Clamping system

Hydromechanic clamping system  
 DIN 69872 (Standard), DIN 2080 (Option)

### Work spindle

Vertical manually telescopic 80 mm  
 Horizontal spindle (optional), 100 mm manually telescopic  
 Milling head manually tiltable +/- 90 ° (180°)

### Milling arm

Additionally displaceable by 150 mm.  
 This increases the X - Y working area to 500 x 550 mm.

### Speed range

25 – 3000 U/min stepless adjustable

### Spindle performance

7,0 kW

### Feed

Stepless adjustable digital  
 feed motor 5 -500 mm/min

### Rapid traverse

1,5 m/min – stepless adjustable

### Fixed table

800 x 480 mm max. load 300 kg

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### Options

Horizontal cutting spindle	Spray guard cabin
Overarm with counterbearing	Tool calibration system
Universal machining table	Minimum oil machining
	Special paint coating

### Connection values

<b>Mains connection</b>	3 x 400 V AC 50 Hz	
<b>Electrical supply</b>	TN-S/	
<b>Vonnection method</b>	Fixed connection	
<b>Power consumption</b>	16,0 KVA	
<b>Nominal current</b>	25 A	<b>Max. Fuse</b> 50 A NH



After new machine EN / ISO Standards / Machine class 1

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

### Space requirements

#### Machine weight

1600 kg incl. fixed table, milling head, control cabinet, swarf tray

