

Manufacturer of universal milling and drilling machines

## FPS Werkzeugmaschinen

### FPS 420M NC

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

**New Machine**  
 with hydraulic  
 tool clamping system

Item number : **104202**



#### Control

#### Application

#### Technical Data

**Heidenhain TNC 620 FS** CNC-control with swivelling control panel

Comfortably operated Heidenhain TNC 620 FS CNC-control with pocket and drilling cycles, hole circle and point marking. Tool memory for up to 100 tools with tool compensation and program memory for several programs.

<b>Axis travel</b>	420 / 350 / 400 mm	X / Y / Z
<b>Tool holder</b>	SK40 DIN 69871	
<b>Clamping system</b>	Hydraulic clamping system DIN 69872 (standard) / DIN 2080 (option)	
<b>Work spindle</b>	Vertical and horizontal. Vertical manually telescopic 80 mm Milling head manually tiltable +/- 90 ° (180°)	
<b>Speed range</b>	0 – 4500 rpm stepless with potentiometers adjustable. 2-stage high torque main transmission with automatic gear shifting.	
<b>Feed</b>	Stepless adjustable digital feed motor 0 -2000 mm/min	
<b>Rapid traverse</b>	5000 mm / min – stepless adjustable	
<b>Fixed table</b>	630 x 400 mm; max. load 300 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

Electronical handwheel  
Rinsing pistol  
Overarm  
Machine Type Switchover  
Minimum quantity lubrication  
Special painting, etc.

## Space requirements – Connection values

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<b>Machine weight</b>	1870 kg incl. fixed table, milling head and switch cabinet
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<b>splash protection cabine</b>	150 kg
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<b>Space requirements</b>	2235 x 1875 x 2000 mm W / D / H
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<b>Mains connection</b>	3 x 400 V AC 50 Hz
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<b>Power consumption</b>	17 KVA
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<b>Max. Back-up fuse</b>	35 A NH
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<b>Electrical supply</b>	TN-S / fixed connection
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<b>Max.fuse</b>	25 A
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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