

## Data sheet



# FPS 425M-NC

## Dualmaster

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

**Dual guide system for  
highest precision, high dynamics  
and maximum rigidity**

Item number : **4205**

### Display

**Siemens Sinumerik One mit NCU 1740**  
contouring control with swiveling control panel

### Application

Comfortable to operate Siemens Sinumerik One contouring control.  
ShopMill, TFT color flat screen 19" multi-touch screen.  
DIN/ISO and CNC high level language under Sinumerik Operate.

## Technical Data

### Axis travel

X / Y / Z 425 / 450 / 400 mm

### Tool holder

SK40 DIN 69871

### Clamping system

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

### Cutting spindle

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

### Milling arm

Additionally displaceable, adjustment via trapezoidal spindle and  
handwheel on the Y axis by 150 mm.  
This increases the X - Y working area to 425 x 600 mm.

### Speed range

20 – 5000 rpm, stepless adjustable

### Spindle performance

7,2/14,1 kW 100%/25% ED

### Feed

Stepless adjustable digital  
feed motor 0 -5000 mm/min

### Rapid traverse

10 m/min – stepless adjustable

### Fixed table

630 x 470 mm max. load 350 kg

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### Options

Electric handwheel	Tool calibration system
Horizontal cutting spindle	Rinsing gun
Overarm with counterbearing	Minimum oil machining
Changeover machine type	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>	18,7 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

<b>Machine weight</b>	2610 kg incl. fixed table and milling head
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