

Data sheet



FPS 500M *digital* Dualmaster

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

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

Item number : 5206

Display

Heidenhain Positip 8016 touch active – straight cut control

Application

Creation of programs, block call, position values, dialogs, inputs and graphic functions, 100 reference points, 100 tools, graphic positioning aid, distance-to-go mode with input of target position in absolute or chain dimensions, 12" screen for touch operation

Technical Data

Axis travel

X / Y / Z 500 / 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), manually telescopic 100 mm
 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 500 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 -2000 mm/min

Rapid traverse

5 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

Mains connection	3 x 400 V AC 50 Hz	
Electrical supply	TN-S/	
Vonnection method	Fixed connection	
Power consumption	18,7 KVA	
Nominal current	25 A	Max. Fuse 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	2610 kg incl. fixed table and milling head
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