

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 : **4204**

Display

Heidenhain TNC 620 FS contouring control with swiveling control panel

Application

Comfortable to operate Heidenhain TNC 620 contouring control,
30 GByte program memory, Option 19 Advanced Programming
Features, Option 20 Advanced Graphic Pictures
Program input: HEIDENHAIN Klartext or DIN/ISO

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

6,3/12,0 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

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

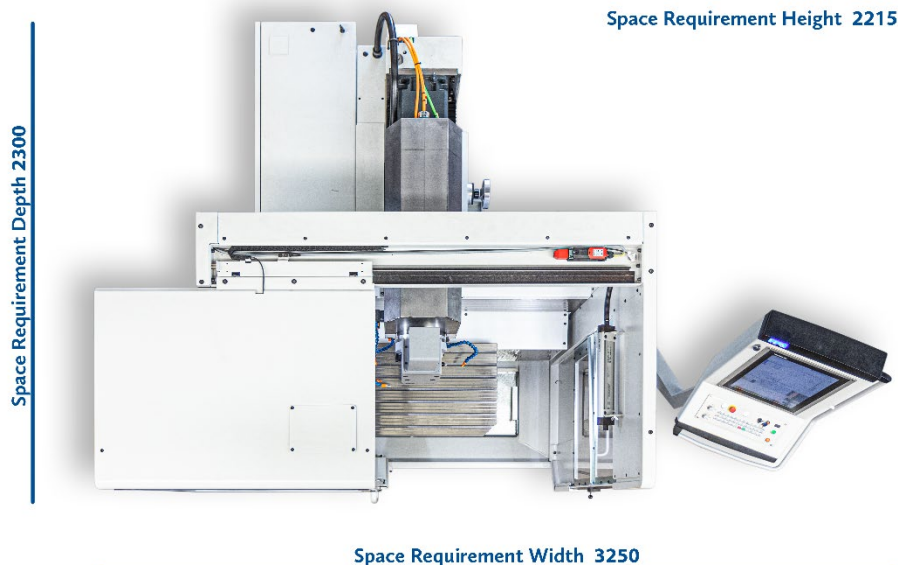


After new machine EN / ISO Standards / Machine class 1

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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*Data without required safety distances