

## Data sheet



**DECKEL** **FP4 M**  
 repowered by FPS

**FP4 M 2203 conventional**

**REFURBISHED / AS NEW**

Item number : **4000**

### Display

**3-axis Heidenhain touch digital display – ND 7013**

### Application

Easy to operate actual value display with radius compensation for 16 tools, furthermore hole circle, hole segment, hole row and hole frame calculations graphically supported. The control provides 10 programmable reference points and a speed calculator.

## Technical Data

### Axis travel

X / Y / Z 500 / 400 / 400 mm

### Tool holder

SK40 DIN 69871

### Clamping system

DECKEL S20 x 2 (standard)  
 M 16 DIN 2080 (optional)

### Work spindle

Vertical manually telescopic by 60 mm  
 Horizontal manually telescopic by 100 mm  
 Milling head manually tiltable +/- 90° (180°)

### Milling arm

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

### Speed range

50 – 2500 rpm geometrically stepped direct gear transmission with 18 speed stages for maximum torque / milling performance

### Feed

8 to 630 mm/min – geometrically stepped, with 18 gear stages

### Rapid traverse

1,3 m/min

### Fixed table

800 x 460 mm max. load 400 kg

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### FPS Standard

Modernised to the legally required safety standard "**state-of-the-art**" in accordance with the safety ordinance of the trade association.

### Switch cabinet electronics

Installation of a **new** CE switch cabinet according to the current legal regulations of the trade associations. **BGVA 3 / DIN-EN 60204-1 new machine standard.**

### Safety / brake motor

Conversion of the machine by mounting a new brake motor. When the speed stops, the milling spindle comes to an immediate standstill.

### Options

Central lubrication	Protective bellows in the Z axis
Chip pan	Rotary table
Universal table	Overarm with counterbearing
Index head	Special paint coating
Machine lamp	etc.



According to new machine  
EN / ISO Standards

#### Optional complete machine in CE design.

A CE declaration of conformity is issued for the machine. Therewith FPS Werkzeugmaschinen GmbH becomes the manufacturer. The machine thereby fulfils the requirements of the Operating Safety Regulation - Betr. SichV. The **year of manufacture** thus corresponds to the delivery date of the machine.

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

### Connection values

#### Mains connection

3 x 400 V AC 50 Hz

#### Electrical supply

TN-S/

#### Vonnection method

Fixed connection

#### Max. Fuse

20 A

### Space requirements

2000 x 2000 x 1935 mm W / D / H

#### Machine weight

1445 kg incl. fixed table, milling head and switch cabinet