

## HS-FF 2000

### Technical data

<b>Colour:</b>	Blue/ white, RAL 5,007/ 7,035
<b>Labelling:</b>	English
<b>Operating manual:</b>	1 copy, English
<b>Accessories:</b>	1 set of wrenches

**Dimensions:** 1,330 x 1,320 x 2,000 mm

**Weight:** Approx. 2,600 kg

### Milling cutters:

Various cutters and cutting tips. Geometry selectable, according to sample quality.

**Toolholder:** mechanical quick change device

### Power supply and consumption:

<b>Voltage:</b>	400 V, 50 Hz, 3-phase
<b>Neutral conductor:</b>	Not required
<b>Power consumption:</b>	Approx. 20 kVA

### Compressed air supply and consumption:

<b>Pressure:</b>	Min. 5 bar, max 10 bar
<b>Consumption:</b>	Approx. 750 dm <sup>3</sup> / N per sample
<b>Connection sleeve:</b>	ND = 19 mm

### Electrical switch cabinet (integrated in the machine housing):

<b>Programmable controller:</b>	Simatic S7
<b>Control voltage:</b>	24V DC
<b>Protection class:</b>	IP 44
<b>Insulation class:</b>	B

### Processing parameter:

<b>Cutting depth:</b>	1.5 mm, programmable in steps of 0.05 mm
<b>Processing cycle duration:</b>	Depending upon the program 20 to 40 s
<b>Number of processing programs:</b>	16

## Processable samples:

<b>Material:</b>	Steel and iron
<b>Form:</b>	Without pin, round, oval, square samples with 2 parallel clamping faces and double thickness samples.
<b>Sample dimensions:</b>	Height min. 7 mm, max. 60 mm
<b>Diameter:</b>	Max. 60 mm
<b>Clamping range:</b>	ND +/- 14 mm
<b>Sample hardness:</b>	Max. 65 HRC, depending on cutting tips and material characteristics

## Sample cooling:

<b>Cooling type:</b>	By means of cooling nozzles
<b>Cooling medium:</b>	Compressed air

## Sample insertion and discharge:

<b>Insertion method:</b>	Manually into the open clamping device, optional with external handling system
<b>Discharge method:</b>	Manually from the clamping device, optional with an external handling system

## Options:

- > Patented special milling head for automatic deburring of round calibration samples (diameter 35-55 mm)
- > External cooling device
- > Sample transport system to external devices

The design of the machine complies with the applicable accident prevention and VDE regulations.

We reserve the right to make technical modifications.