

## HS-FF

### 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 cutting tips per milling head, 1 set of wrenches

**Dimensions:** 1,070 x 1,015 x 2,020 mm

**Weight:** Approx. 1,400 kg

### Power supply and consumption:

<b>Voltage:</b>	400 V, 50 Hz, 3-phase
<b>Neutral conductor:</b>	Not required
<b>Power consumption:</b>	Approx. 6 kVA

### Milling cutters:

Various milling heads and cutting tips available depending on sample quality.

**Toolholder:** Pneumatic 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. 14 kVA

### Compressed air supply and consumption:

<b>Pressure:</b>	Min. 5 bar, max. 10 bar
<b>Consumption:</b>	Approx. 750 l 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

**Protection class:** IP 44  
**Insulation class:** B

## Processing parameter:

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

## Processable samples:

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

## Sample cooling:

**Cooling type:** By means of cooling nozzles  
**Cooling medium:** Compressed air

## Sample insertion and discharge:

**Insertion method:** Manually into the open clamping device, optional with external handling system  
**Discharge method:** 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.