

HBF 4000

Technical data

Dimensions:

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|---------------------|------------------------|
| Machine: | 1,665 x 840 x 1,620 mm |
| Switchgear cabinet: | 1,200 x 400 x 2,000 mm |

Weight:

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| Machine: | Approx. 1,400 kg |
| Switchgear cabinet: | Approx. 500 kg |

Grinding belt dimensions:

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| Coarse grinding belt: | 200 x 2,000, grain 40, 60 |
| Fine grinding belt: | 200 x 2,000, grain 80, 100 |

Miller cutter dimensions:

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|-------------------------|--------|
| Diameter: | 100 mm |
| Indexable cutting tips: | 7 |

Power supply and consumption:

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| Neutral conductor: | Not required |
| Power consumption: | 20 kVA |

Compressed air supply and consumption:

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| Pressure: | Min. 5 bar, max. 10 bar |
| Consumption: | Approx. 750 dm ³ / N per sample |

Water supply and consumption:

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|--------------|--------------------------|
| Pressure: | Min. 2 bar, max. 5 bar |
| Consumption: | Approx. 1.5 l per sample |

Discharge fitting- water:

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| Discharge water pressure: | Zero |
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Discharge fitting- dust:

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| Required exhaust rate: | 15 m ³ / min at 2,100 Pa |
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Sample clamping facility:

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| Type: | 2 clamping jaws, self-centering and parallel clamping |
| Clamping range: | Diameter max. 60 mm with 15 mm stroke per jaw |
| Thickness: | 7- 60 mm |

Processable samples:

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|-------------------------|---|
| Material: | Steel and iron |
| Form: | Without butt, round, oval and tab samples |
| Sample hardness: | Max. 64 HRC |
| Temperature: | Max. 800 °C |

Processing parameters:

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| Grinding depth: | Application-dependent |
| Processing cycle time: | Application-dependent |

Machining programs:

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| Programs: | 16 |
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Sample cooling:

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|------------------------|-----------------------------|
| Cooling medium: | Compressed air and water |
| Cooling method: | By means of cooling nozzles |

Electrical switch cabinet:

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|---------------------------------|-----------------------------|
| Programmable controller: | SIMATIC S7 or Allen Bradley |
| Control voltage: | 24V DC |
| Protection class: | IP 44 |
| Insulation class: | B |

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

We reserve the right to make technical modifications.