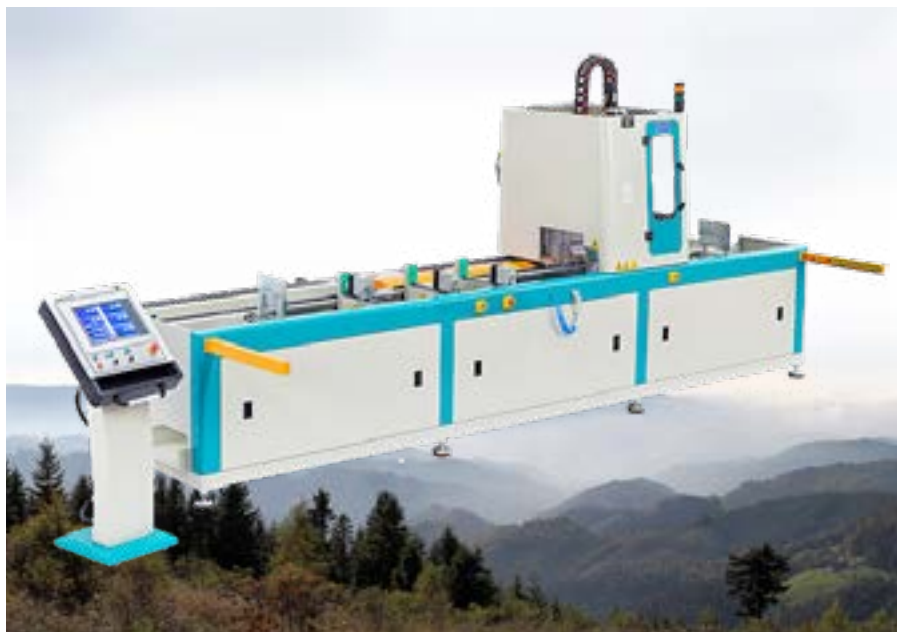


TRENNJAEGER MILLS

Series BFM

HIGHLIGHTS

- 2 separate tool magazines as a holder for 12 standard tools HSK 63F and a saw blade Ø 350 mm
- 8 vices for an optimal clamping of the profile
- 10" colour touch screen and multi-language support

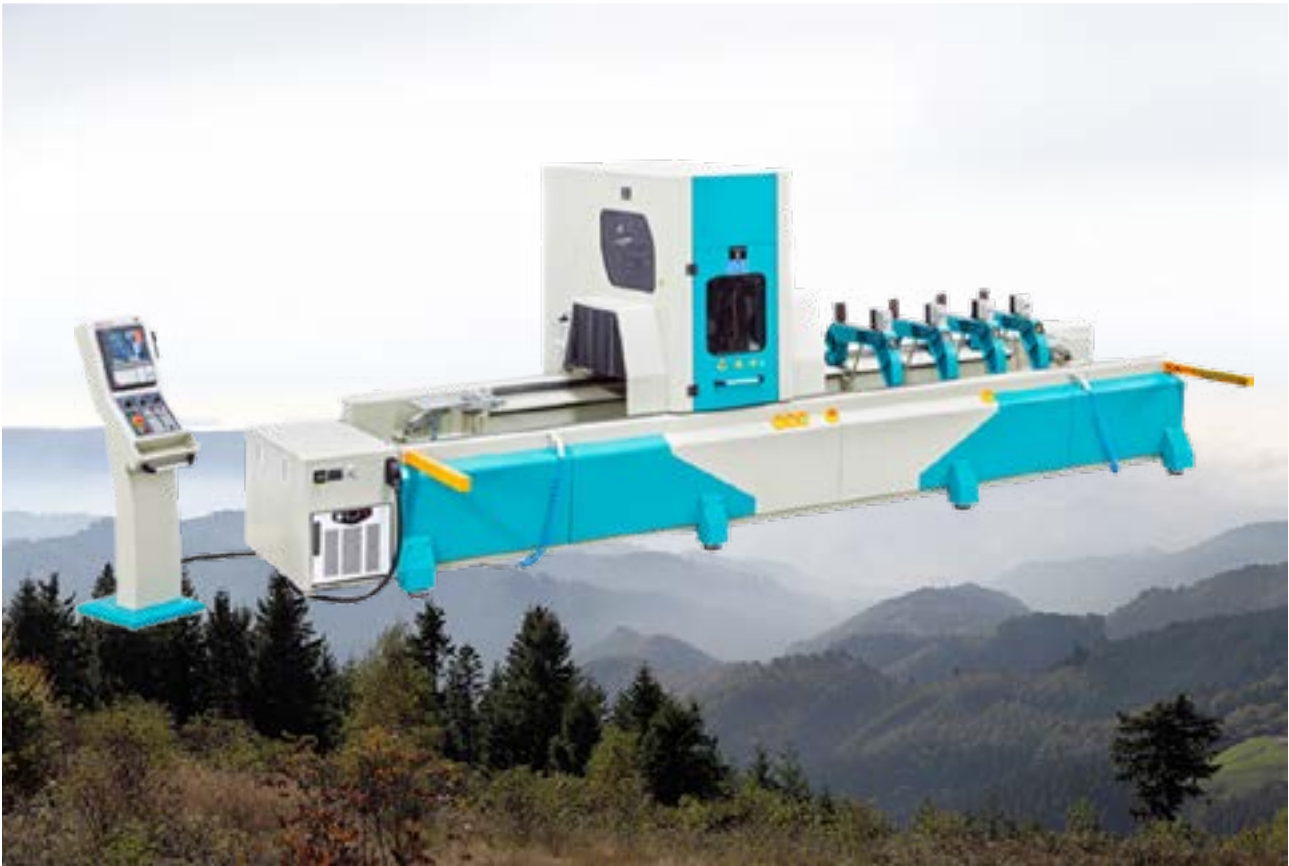


TECHNICAL DATA AT A GLANCE

Machine type	 U/min.	 mm	 kW	 kg
BFM 3410	24.000	3.200 x 350 x 260	7,5	2.400
BFM 4420	20.000	4.020 x 350 x 200	15,0	3.550
BFM 7510	24.000	7.000 x 350 x 250	15,0	4.490

Further information on the machine series and numerous accessories can be found on our website:
www.wagner-maschinen.de/en/trennjaeger-saws/trennjaeger-milling-machines

**SINGLE-HEAD MILLS
BFM 3410 / BFM 4420 / BFM 7510**



ALL HIGHLIGHTS AT A GLANCE

- 2 separate tool magazines as a holder for 12 standard tools HSK 63F and a saw blade Ø 350 mm
- 8 vices for an optimal clamping of the profile
- 10" colour touch screen and multi-language support
- 2 automatic pneumatic stops for the positioning of 2 workpieces on the machine table for works on multiple pieces and pendulums (reduces the loading times of the workpieces)
- Quick programming thanks to 8 previously saved processing macros
- Front loading area, which is secured by a 3-zone scanner, enables works in the pendulum mode

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BFM 3410

TECHNICAL DATA

- AX axis 3,200 mm
- Y axis 350 mm
- Z axis 260 mm
- A axis in head +/- 95 degrees
- Machining Milling
- 1 x top + 1 x side + 1 x front
- Machining Sawing
- 1 x top + 1 x side + 2 x front
- Spindle speed, continuously programmable
- Speed range 24,000 rpm
- Spindle power 7.5 kW (S1)
- Spindle head Spindle taper HSK-F-63
- Automatic tool changer
- Tool selection 7 milling cutters + 1 saw blade
- Reference points 2 pieces, automatic
- Clamping system without table
- Indicator light and automatic shut-off
- Machine light LED
- Tool changer arranged horizontally
- Milling cutter steel diameter 8 mm + 10 mm
- Saw blade Ø 180 mm
- Tool weight max. 3 kg
- Clamping devices 4 pieces
- Clamping devices Optional max. 6 pieces
- Lubrication nozzles with 2.2 l container
- Complete coolant system
- X axis 60 m/min with 1 kW motor
- Y axis 50 m/min with 1 kW motor
- Z axis 50 m/min with 1 kW motor
- A axis 72 m/min rapid traverse
- Total power 11.5 kW
- CAM-PROX software as standard
- RAL 7015 / RAL 7035
- Dimensions 4,600 x 1,700 x 2,300 mm
- Machine weight approx. 2,400 kg

STANDARD EQUIPMENT

- Tool magazine for 8 tools with 8 standard programmes ISO 30 (6 for straight tools and 2 slots for a bevel or a saw blade Ø 180 mm).
- Device for mounting tools.
- 4 vices for an optimal clamping of the profile.
- 2 automatic pneumatic stops, which enable the positioning of 2 workpieces on the machining bench for works on multiple pieces (reduces the loading times of the pieces)
- B&R PLC for 3/5-axis processing movements
- 15-inch colour touch screen and multi-language support / 10-inch in BFM 4410
- Quick programming thanks to 8 previously saved processing macros
- Programme import via USB stick
- Remote access for providing technical support.
- Standard programming in the ISO code language „G“.
- LED lighting of the work area.
- Indicator light
- Manual control device for checking without milling speed
- Automatic central lubrication system

SPECIAL EQUIPMENT

- Tool set consisting of collets and milling cutters
- Saw blade device
- Tool length measurement
- Positioning kit with correction option
- Additional clamping device, max. 2 additional devices possible
- Mobile control handset
- Vacuum minimal lubrication extraction system
- Barcode reader

DETAIL PICTURES



Automatic clamping system



Pneumatic stop for material in X-axis



Saw blade unit Option for saw blade
Ø 180 mm

Further information on the machine series and numerous accessories can be found on our website:
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We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not bin

BFM 4420

TECHNICAL DATA

Table

- Clamping surface 4,000 mm
- Tool clamping 4 standard / 6 maximum

Travel

- Longitudinal movement, X-axis 4,020 mm
- Transverse movement, Y-axis 350 mm
- Vertical movement, Z-axis 200 mm
- Distance between spindle and work table 260 mm
- Swivel A-axis +/- 110 °
- Spindle head
- Spindle taper HSKF 63
- Spindle speed continuously programmable
- Speed range 20,000 rpm

Drives and motors

- Spindle motor S6 60% 8.7 kW

Direct drive

- Total connected load 15 kW
- Air consumption 250 l/min.
- Automatic tool changer
- Tool selection

- Number of magazine slots 12+1 Saw blade diameter 180 mm
- Tool holder HSKF 63
- Max. tool length 60 mm
- Max. tool diameter 63 mm
- Max. tool weight Tool change time 7 sec
- Lubrication system Automatic
- Milling of long holes with M8
- Automatic feeds and rapid traverse
- Feed range X, Y and Z axes Rapid traverse, X, Y, Z axes 60,000 / 60,000 / 19,000 mm/min
- Repeat accuracy 0.05 mm
- Positioning accuracy X +/- 0.05 mm
- Positioning accuracy Y/Z
- Control 10" colour display
- Quick programming via 8 standard programmes
- 3 USB ports
- 1 RS 232 port
- 2 Ethernet ports
- Dimensions 2,050 x 6,250 x 2,200 mm
- Weight 3,200 kg

STANDARD EQUIPMENT

- Direct drive spindle 20,000 rpm.
- Tool changer 12 + 1 positions
- Partial enclosure with 3 sides at the front and sides and light barrier at the rear with rear wall on the stand
- Thread cutting without compensating chuck
- X-axis with pneumatic end stops
- CAMPROX programming software with ISO G codes or data transfer
- Signal light and automatic shutdown
- Machine light
- Complete coolant system
- Hinge chip conveyor with trolley
- Operating tools
- Documentation
- CE standard

SPECIAL EQUIPMENT

- Tool set consisting of 6 collets and milling cutters
- Saw blade device
- CAM software CAD-XTRACT
- Second magazine for 11 tools
- Positioning kit with correction option
- Additional clamping device, max. 2 additional possible
- Chip conveyor
- Vacuum minimal lubrication extraction system
- Barcode reader

DETAIL PICTURES



Movable control panel



Clamping system



Tool changer

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BFM 7510

TECHNICAL DATA

- X axis 7,120 mm
- Y axis 350 mm
- Z axis 200 mm
- A axis in head +/- 90 degrees
- Machining Milling
- 1 x top + 2 x side + 1 x front
- Machining Sawing
- 1 x top + 2 x side + 2 x front
- Spindle speed, continuously programmable
- Speed range 20,000 rpm
- Spindle power 8.5 kW (S1)
- Spindle head Spindle taper HSK-F-63
- Automatic tool changer
- Tool selection 12 milling cutters + 1 saw blade
- Reference points 2 pieces automatic
- Clamping system without table
- Indicator light and automatic shut-off
- Machine light LED
- Tool changer tower-shaped arrangement
- Milling cutter steel diameter 5 mm + 8 mm
- Saw blade Ø 350 mm
- Tool weight max. 3 kg
- Clamping devices 8 pieces
- Clamping devices Optional max. 10 pieces
- Lubrication nozzles with 2.2 l container
- Complete coolant system
- X axis 70 m/min with 1.5 kW motor
- Y axis 60 m/min with 0.4 kW motor
- Z axis 18 m/min with 1.5 kW motor
- A axis 1,000 mm/sec rapid traverse
- C axis 400 mm/sec rapid traverse
- Total power 15.0 kW
- CAM-PROX software as standard
- RAL 7015 / RAL 7035
- Dimensions 4,600 x 1,700 x 2,300 mm
- Machine weight approx. 2,400 kg

STANDARD EQUIPMENT

- 2 separate tool magazines as a holder for 12 standard tools HSK 63F and a saw blade Ø 350 mm
- Device for mounting tools
- 8 vices for an optimal clamping of the profile
- 2 automatic pneumatic stops for the positioning of 2 pieces on the machining bench for works on multiple pieces and pendulums
- B&R PLC for 5-axis processing movements
- 10-inch colour touch screen and multi-language support
- Quick programming thanks to 8 previously saved processing macros
- Programme import via USB stick
- Remote access for providing technical support
- Standard programming in the ISO code language „G“.
- LED lighting of the work area
- The front loading area is by through a 3-zone scanner that enables work in the pendulum mode
- Information on the machine status, which can be generated by a light code in the machine cabin
- Automatic micro lubrication system
- Mesh enclosure on the rear side and on the sides (height 1,800 mm).

SPECIAL EQUIPMENT

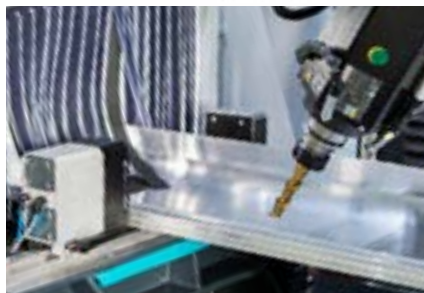
- Tool set consisting of 6 collets and milling cutters
- Additional clamping device max. 4 additional devices possible
- Saw blade device
- CAM software CAD-XTRACT
- Chip conveyor hinged belt
- Vacuum minimal lubrication extraction system
- Barcode reader



DETAIL PICTURES



Clamping system



Swivelling head



Tool changer

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