



# Asset-Trade

Assessment & Sale of Used Assets

Ref. No.: 1249



## Overview and Technical Data:

**MTE BF4200 3+2 Axis Bed Milling Machine**

**MTE (Machine Tool Engineering)**



Machine Tool Engineering, S.A.

Year of Build: May 2015



## Description:

### Used MTE BF4200 bed milling machine for sale.

The MTE BF4200 bed milling machine with 3+2 axes offers outstanding precision milling for your manufacturing needs. Equipped with the Heidenhain iTNC 530 CNC control, this MTE milling machine enables precise machining of complex workpieces. With a maximum travel capacity of 4,000 mm in the X-axis, 1,200 mm in the Y-axis and 2,000 mm in the Z-axis, it is ideal for large-format machining.

CNC control: Heidenhain iTNC 530

Technical data:

- 3+2 axes
- Travels:
  - X-axis (longitudinal): 4,000 mm
  - Y-axis (transverse): 1,200 mm
  - Z-axis (vertical): 2,000 mm
- Clamping table:
  - Clamping surface: 4,200 x 1,000
  - Max. workpiece weight: 13,000
- Feeds:
  - X, Y and Z axes, continuously variable 2-12,000 mm/min
  - Rapid traverse X/Y/Z 15 m/min
- Universal milling head:
  - Swivel range front/rear plane: 2.5/1°
  - Power at 100% duty cycle: 30 kW
  - Speed, continuously variable: 40-4,000 min<sup>-1</sup>
  - Gear levels: 3
- Tools:
  - Tool holder: SK 50 - DIN 69871-B
  - Automatic tool changer ATC:
  - Tool positions: 40 positions
  - Tool diameter max: 125/240 mm



- Tool length max.: 350 mm
- Tool weight max.: 20 ??kg
- Position change: horizontal/vertical
- Guides, drive and measuring systems
  - All axis drives with digital drives from the manufacturer HEIDENHAIN
  - Direct measuring systems for X, Y and Z axes from the manufacturer HEIDENHAIN
  - X, Y and Z axis guides using high-precision linear guides for maximum precision and dynamics, counter guide coated with Turcite B
  - Precision ball screw with pre-loaded nuts in the X, Y and Z axes
- Coolant system with chip conveyor
  - Coolant outlet, switchable from coolant to air, on the front of the milling head via manually swiveling nozzles
  - Internal coolant supply through the spindle center.
  - Tank volume approx. 400 l
  - Normal coolant supply 25 l/min 5 bar
  - High pressure pump for internal cooling 20 l/min 20 bar
  - Coolant tank including paper belt filter system
  - Hinged belt chip conveyor, 2 longitudinal conveyors in the machine, 1 cross conveyor on the right side
  - CNC control HEIDENHAIN iTNC 530M
    - Digital numerical sequence control, including digital drive control, hard disk storage, TFT color screen,
  - Machining cycles:
    - Standard drilling and milling cycles, deep drilling, tapping with and without compensation chuck, milling of slots, rectangular and circular pockets, rectangular and circular tenons, boring, drilling-milling (helical path), line-off, drilling patterns, head tilting, backward tilting, shifting and/or rotation of the coordinate system, mirroring, dimensional factor also axis-specific,  
Linear interpolation on 3 axes, circular interpolation on 2 axes and on 3 axes with rotated working plane, tilt working plane.

HR 410 - Electronic handwheel for operation of all axes

More data shortly



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## Technical Data:

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Control: TNC 530  
Spindle Speed: 4.000 rpm  
Tool Holder: BT50  
Tool Capacity: 40 x

### Travels:

X-Axis: 4.000 mm  
Y-Axis: 1.300mm  
Z-Axis: 2.000 mm

### Dimensions and Weight:

Height: 4.200 mm  
Width: 5.800 mm  
Length: 10.200 mm  
Weight: 21.500 kg

### Buyer Information:

Condition: Very good condition  
Availability: On Request  
Sold as:  
EXW (Ex Works - Incoterm)  
VAT: 19 %  
Buyers Premium: 18 %  
Location: Turkey



## Images:





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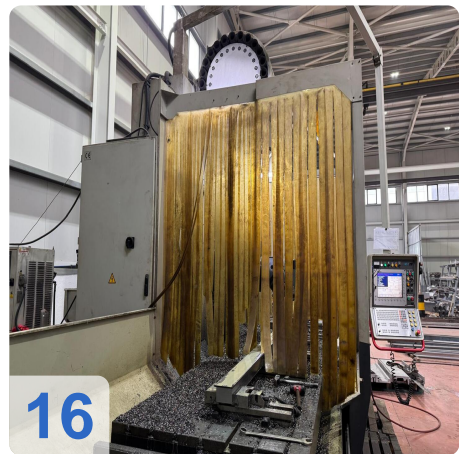




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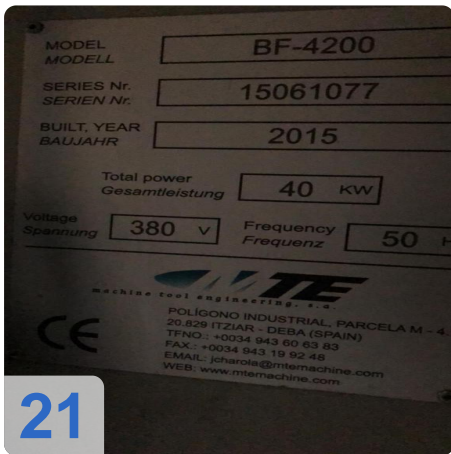




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Video:





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**Asset-Trade**

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wide**

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