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Ref. No.:  
1249

## Overview and Technical Data:

# MTE BF4200 3+2 Axis Bed Milling Machine

[MTE \(Machine Tool Engineering\)](#)



# Machine Tool

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

## Technical Data:

## Technical Data:

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:

[Sold](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

[19 %](#)

Buyers Premium:

[18 %](#)

Location:

Turkey

## **Images:**



1











6

















**MATE**





BF-4200



























WARRANTY CARD  
SERIAL NO. 10000000000000000000  
SERIAL LABEL  
10000000000000000000  
10000000000000000000  
10000000000000000000  
10000000000000000000



**AC VOLTAGE STABILIZER  
SERVO CONTROL**

**DIALOG ELEC**  
SERVO - 400 VA  
SERVO - 1000VA  
SERVO - 2000VA  
SERVO - 3000VA  
SERVO - 4000VA  
SERVO - 5000VA  
SERVO - 6000VA  
SERVO - 7000VA  
SERVO - 8000VA  
SERVO - 9000VA  
SERVO - 10000VA









MODEL  
MODELL

BF-4200

SERIES Nr.  
SERIEN Nr.

15061077

BUILT, YEAR  
BAUJAHR

2015

Total power  
Gesamtleistung

40 KW

Voltage  
Spannung

380 V

Frequency  
Frequenz

50 H



machine tool engineering, s.a.



POLÍGONO INDUSTRIAL, PARCELA M - 4.  
20.829 ITZIAR - DEBA (SPAIN)

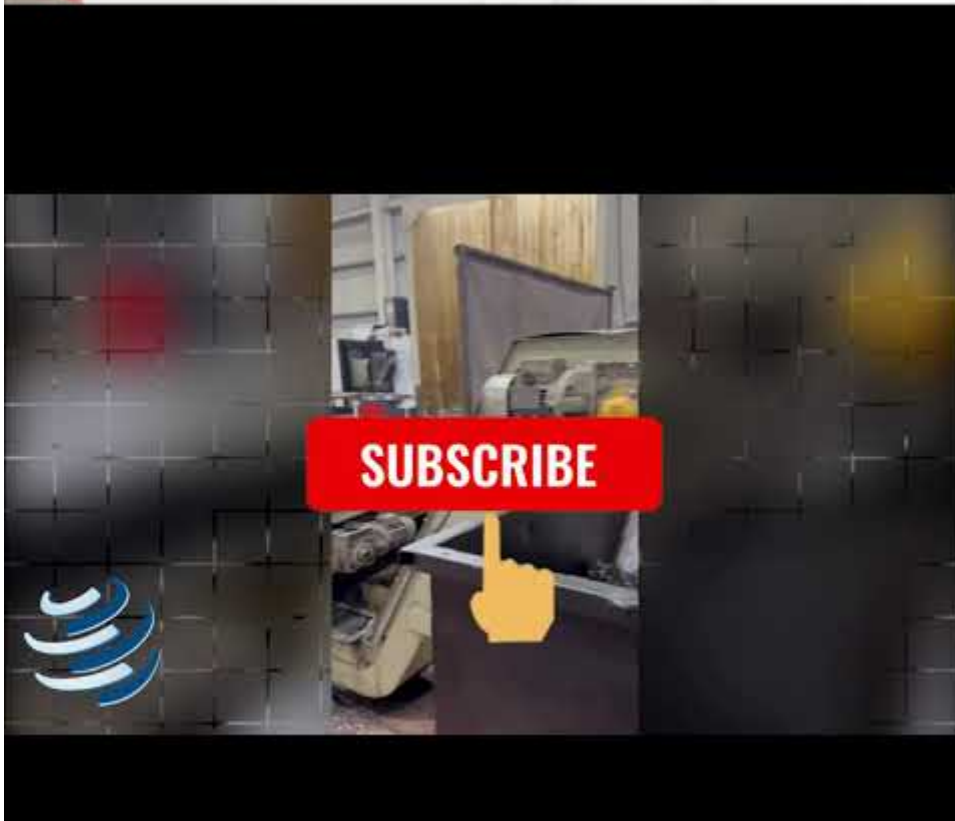
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**Video:**





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Assessment and Sale of Used Assets world wide

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Web.: <https://www.asset-trade.de/en>

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Turkey

## **Images:**



1











6







TE  
MACHINE TOOL ENGINEERING LTD.

⚡ (White)    ⬆️ (Green)    ⚠️ (Black)    ✖️ (Yellow)    ⚠️ (Orange)    ⏏️ (Black)

REIDENHAIN

145 Without answer from Grasse  
detector from 6 hours

1. 2100 PPM	2. 2100 PPM	3. 2100 PPM	4. 2100 PPM
5. 2100 PPM	6. 2100 PPM	7. 2100 PPM	8. 2100 PPM
9. 2100 PPM	10. 2100 PPM	11. 2100 PPM	12. 2100 PPM
13. 2100 PPM	14. 2100 PPM	15. 2100 PPM	16. 2100 PPM
17. 2100 PPM	18. 2100 PPM	19. 2100 PPM	20. 2100 PPM

51 57.879

Full QWERTY keyboard and numeric keypad.

Yellow buttons: X, Y, Z

Blue button: ?

Red button: Emergency Stop











**MATE**





BF-4200



























WARRANTY CARD  
SERIAL NO. 10000000000000000000  
SERIAL LABEL  
10000000000000000000  
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10000000000000000000  
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**AC VOLTAGE STABILIZER  
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**DIALOG ELEC**  
SERVO - 400 WATT  
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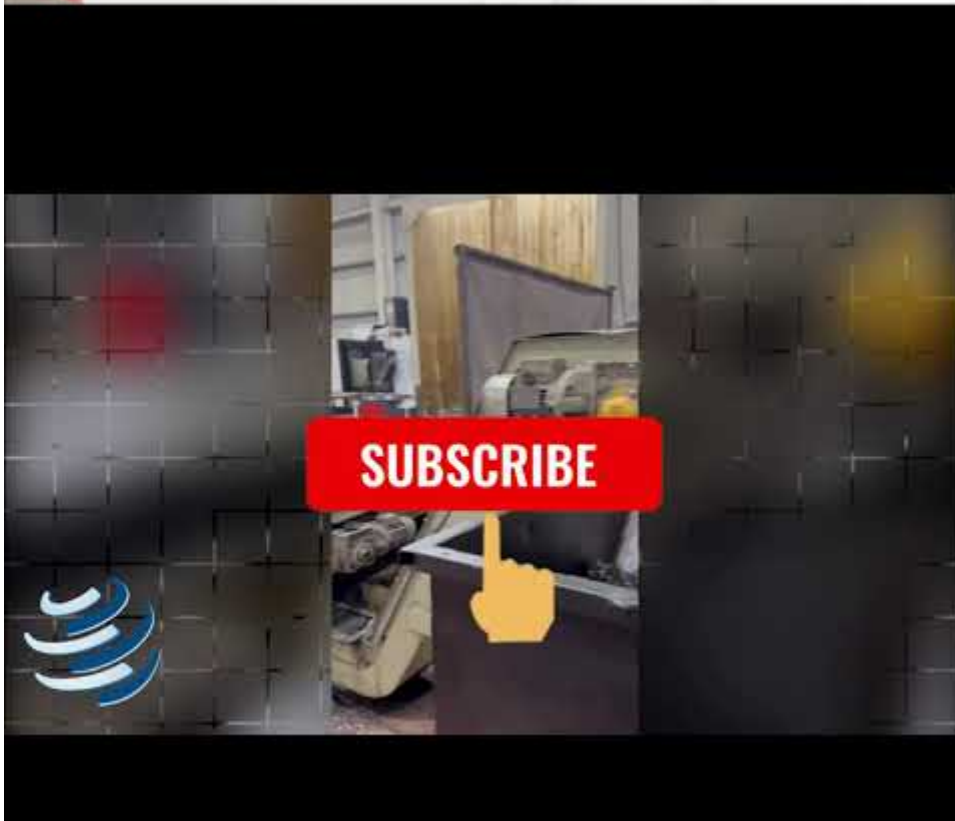
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**Video:**





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