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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



**AC VOLTAGE STABILIZER  
SERVO CONTROL**

**DIALOG ELEC**  
SERVO - 400 WATT  
SERVO - 1000W  
SERVO - 2000W V  
SERVO - 3000W V  
SERVO - 4000W V  
SERVO - 5000W V  
SERVO - 6000W V  
SERVO - 8000W V  
SERVO - 10000W V

Yellow label on the handle.







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)

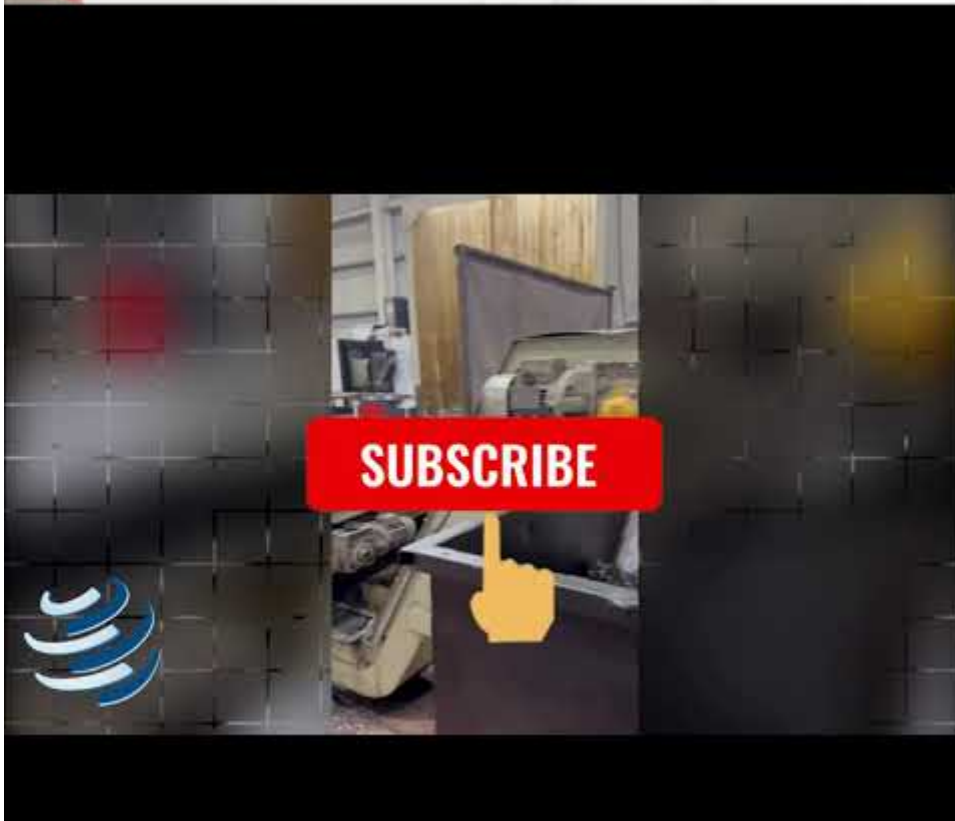
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FAX.: +0034 943 19 92 48

EMAIL: jcharola@mtemachine.com

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**Video:**





Asset-Trade

Assessment and Sale of Used Assets world wide

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

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Turkey

## **Images:**













6







TE  
MACHINE TOOL ENGINEERING LTD.

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

REDENHAIN

145 Without answer from Grasse  
detector from 6 hours

NO	VAL	UNIT	VAL	UNIT
1	2400	MM	2400	MM
2	100	MM	100	MM
3	100	MM	100	MM
4	100	MM	100	MM
5	100	MM	100	MM
6	100	MM	100	MM
7	100	MM	100	MM
8	100	MM	100	MM
9	100	MM	100	MM
10	100	MM	100	MM
11	100	MM	100	MM
12	100	MM	100	MM
13	100	MM	100	MM
14	100	MM	100	MM
15	100	MM	100	MM
16	100	MM	100	MM
17	100	MM	100	MM

51 57.879

QWERTY Keyboard

NUMERIC KEYPAD

Yellow buttons: X, Y, Z

Blue button: ?

Red button: Emergency Stop











**MATE**





BF-4200



























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

**AC VOLTAGE STABILIZER  
SERVO CONTROL**

**DIALOG ELEC**  
SERVO - 400 VA  
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BF-4200

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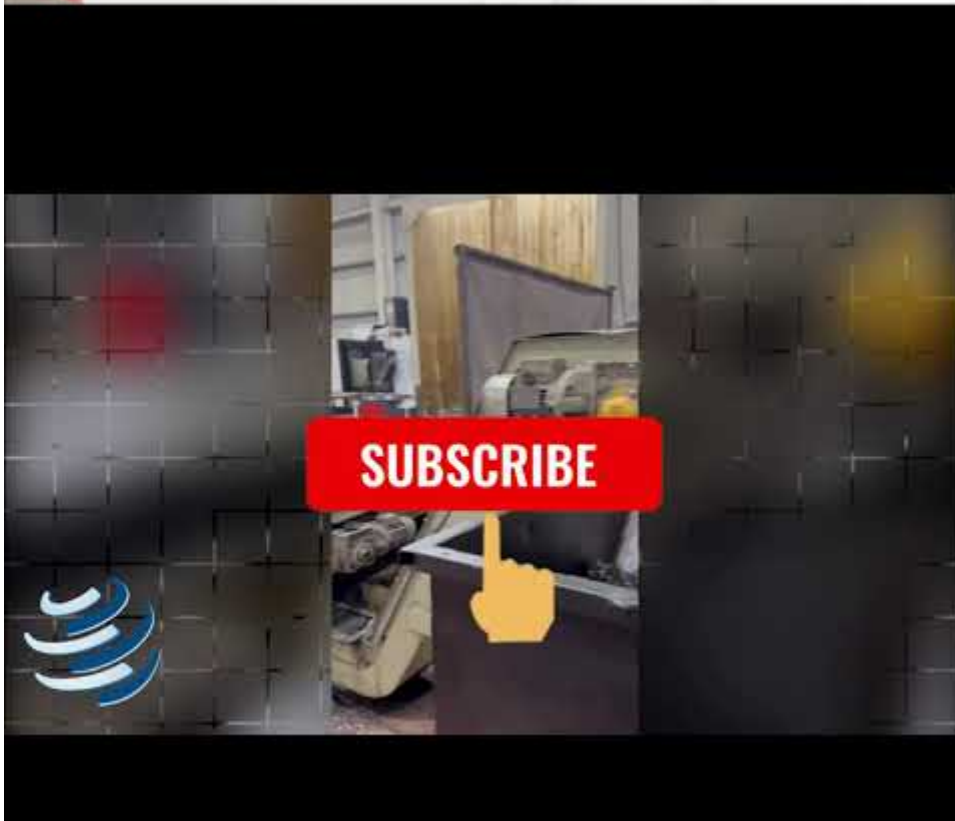
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