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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⁻¹
 - 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:























MTE



BF-4200















WARRANTY CARD
Model: 40 KW
Serial: 100000
Date of purchase: 10/10/2010
Warranty: 3 years
Name: Mr. M. M. M.
Address: 10/10/2010
Phone: 011-11111111

**AC VOLTAGE STABILIZER
SERVO CONTROL**

DIALOG ELEC
POWER - 40 KW
VOLTAGE - 220V/240V
FREQUENCY - 50/60 Hz
PROTECTION - 40A/50A
FULL AUTOMATIC
Model: 40 KW
Serial: 100000



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.



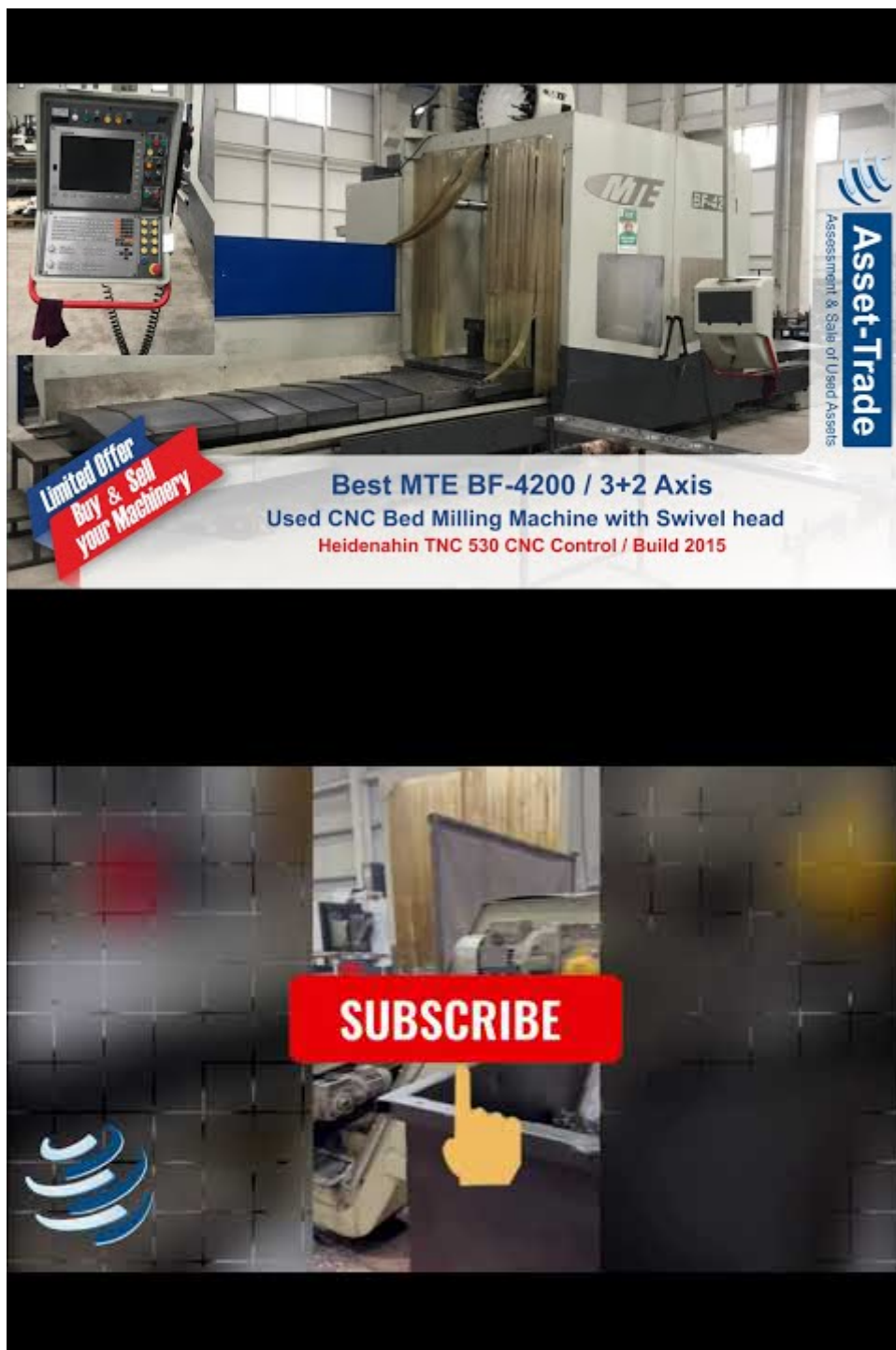
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FAX.: +0034 943 19 92 48

EMAIL: jcharola@mtemachine.com

WEB: www.mtemachine.com

Video:



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Assessment and Sale of Used Assets world wide

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Email: info@asset-trade.de

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

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Buyers Premium:

[18 %](#)

Location:

Turkey

Images:



















REIDENHAIN

TE
MACHINE TOOL ENGINEERING LTD.

145 Without answer from Grease
detector (from 6 hours)

NO	NAME	UNIT	VALUE	UNIT	VALUE
1	SPINDLE SPEED	1/min	1000	1/min	1000
2	FEED RATE	mm/min	100	mm/min	100
3	TOOL DIA	mm	10	mm	10
4	TOOL LENGTH	mm	100	mm	100
5	TOOL DIA	mm	10	mm	10
6	TOOL LENGTH	mm	100	mm	100
7	TOOL DIA	mm	10	mm	10
8	TOOL LENGTH	mm	100	mm	100
9	TOOL DIA	mm	10	mm	10
10	TOOL LENGTH	mm	100	mm	100
11	TOOL DIA	mm	10	mm	10
12	TOOL LENGTH	mm	100	mm	100
13	TOOL DIA	mm	10	mm	10
14	TOOL LENGTH	mm	100	mm	100
15	TOOL DIA	mm	10	mm	10
16	TOOL LENGTH	mm	100	mm	100
17	TOOL DIA	mm	10	mm	10
18	TOOL LENGTH	mm	100	mm	100
19	TOOL DIA	mm	10	mm	10
20	TOOL LENGTH	mm	100	mm	100

SPINDLE SPEED: 1000 1/min
FEED RATE: 100 mm/min
TOOL DIA: 10 mm
TOOL LENGTH: 100 mm

NUMERIC KEYBOARD

FUNCTION KEYS: G, M, T, S, F, D, W, R, P, Q, U, V, X, Y, Z, A, B, C, E, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., /, -, +, =, <, >, [,], {, }, ~, ^, &, *.

STATUS LIGHTS AND BUTTONS

Green, Red, Yellow, Black buttons and lights.

Emergency Stop Button (Red)

Yellow buttons labeled X, Y, Z.





MTE



BF-4200

















MODEL
MODELL

BF-4200

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SERIEN Nr.

15061077

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BAUJAHR

2015

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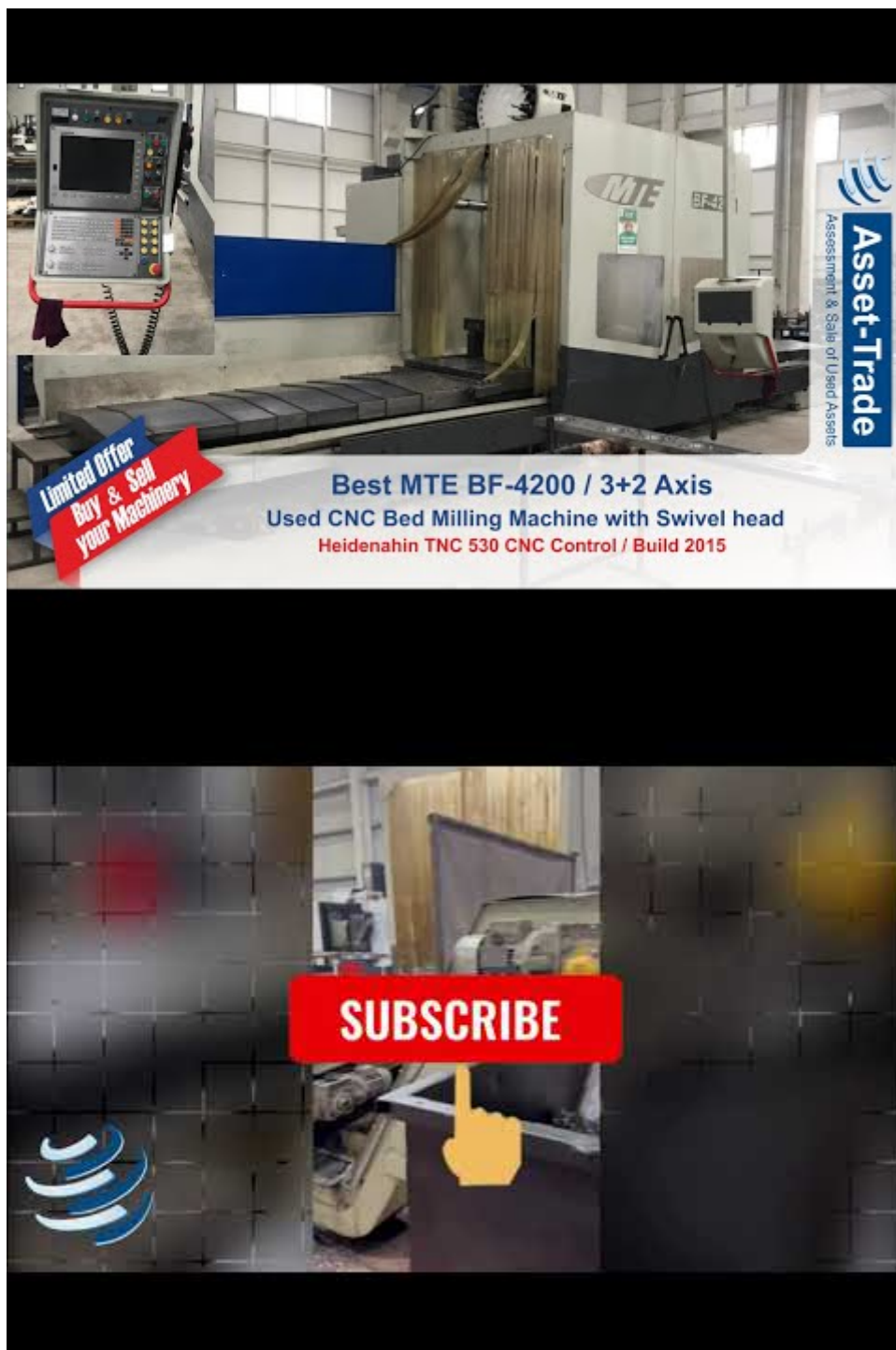
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