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Ref. No.:

1443-10171512

## **Overview and Technical Data:**

# **HELLER MCT 250 CNC Horizontal Machining Center**

**[HELLER](#)**

**HELLER**

Year of Build:  
Jan 2005

**Description:**

**Used HELLER MCT250 double spindle horizontal machining center with A-axis and 2 x B-axis**

The used **HELLER MCT 250** is a horizontal machining center with a double spindle that is designed for precise CNC machining. It offers 5 NC axes and a generous work area with a travel of 650 mm in the X, Y and Z axes. With the Siemens 840D CNC control and a new spindle from 2012, the machine offers high performance. Precision machining is supported by fast tool changes and a 2x40-fold tool magazine. Ideal for versatile applications in the machine tool industry.

- CNC control: Siemens 840D
- New spindle in 2012

Technical data:

#### WORKING AREA:

- Travel
  - X-axis 650 mm
  - Y-axis 650 mm
  - Z-axis 650 mm
  - Number of NC axes 5

TABLE:

- Rotatability 360 °
- Positionability 0.001 ° rotation speed 30 / min swiveling 210 °
- Positionability 0.001 ° rotation speed 10 / min

#### WORKPIECE / HEAD

- Spindle speed 45 - 18000 / min Kessler
- Spindle diameter 80 mm tool holder
- Drive power (max.) 38 kW
- Spindle power (continuous) 25 kW
- Torque (max.) 132 Nm

The following restrictions apply:

- Maximum permissible weight of the moment absorbed by the gripping tool. 1 000 Ncm
- Maximum permissible tool weight 12 daN
- Fast tool change up to a tool weight of 3 daN

Axis drives

- Feed of 1 mm/min
- Feed speed up to 60000 mm/min
- Rapid traverse speed 60000 mm/min

#### TOOL MAGAZINE

- Number of tool positions 2x40
- Tool diameter max. 70 mm
- Free adjacent position 163 mm
- Tool length max. 300 mm
- Tool change time 3.2 s

#### DIMENSIONS / WEIGHTS

- Total weight approx. 16000 kg

## **Technical Data:**

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Control:

[SINUMERIK 840D](#)

Machine Hours:

68.511 hrs.

Spindle Speed:

10.000 rpm

Tool Holder:

[HSK-A63](#)

Tool Capacity:

80 x

## **Travels:**

X-Axis:

650 mm

Y-Axis:

650mm

Z-Axis:

650 mm

## **Dimensions and Weight:**

Height:

4.000 mm

Width:

4.000 mm

Length:

10.000 mm

Weight:

16.000 kg

## **Buyer Information:**

Condition:

[Very good condition](#)

Availability:

[Immediately](#)

Sold as:

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

VAT:

[19 %](#)

Buyers Premium:

[18 %](#)

Location:

Bulgaria

**Images:**





HELLE 3

SINUMERIK

The control panel is densely packed with controls. At the top right, the 'SINUMERIK' logo is visible. The central screen displays some text, though it is somewhat blurry. To the right of the screen is a standard QWERTY keyboard. Below the keyboard is a numeric keypad and a set of function buttons including 'F1' through 'F12', 'STOP', 'RESET', and 'PAUSE'. A red emergency stop button is located on the left side of the panel. Below the keyboard section are two rotary dials, likely for selecting different axes or modes. Further down are several indicator lights (red, green, yellow) and a row of control buttons. At the bottom of the panel, there are more buttons and a small display area. The entire panel is mounted on a light-colored metal cabinet.



**HELLER**  
MCT 250







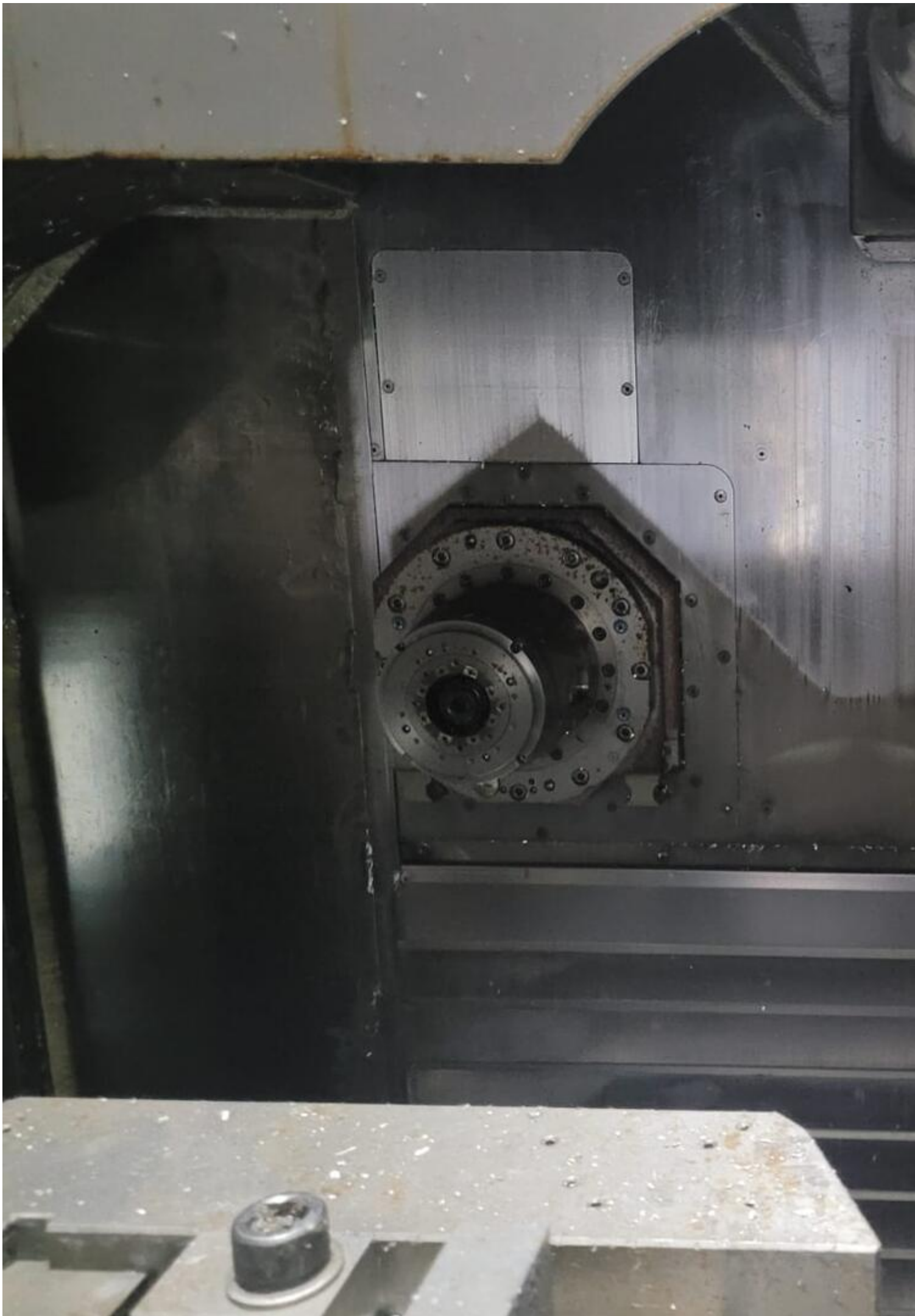












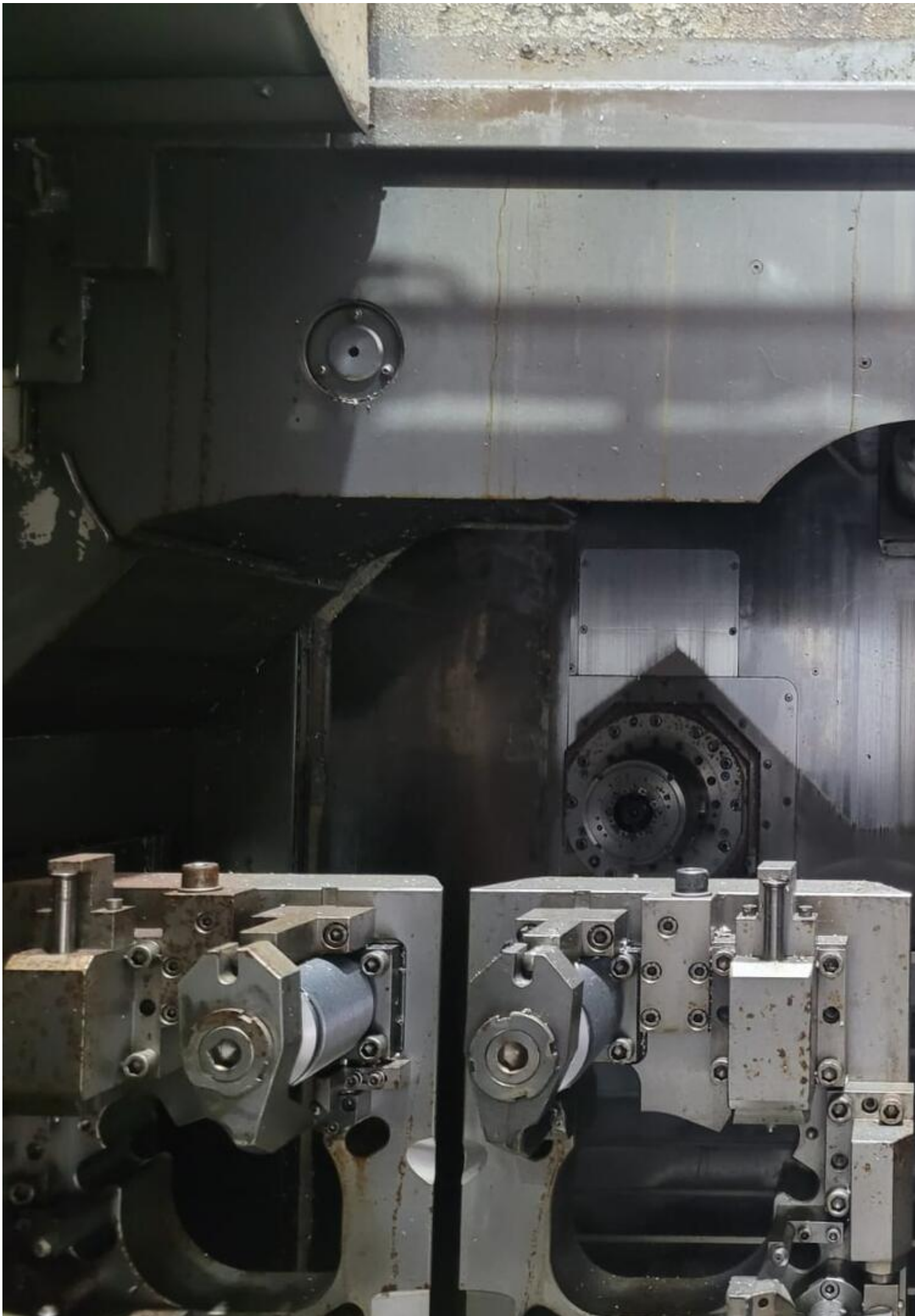




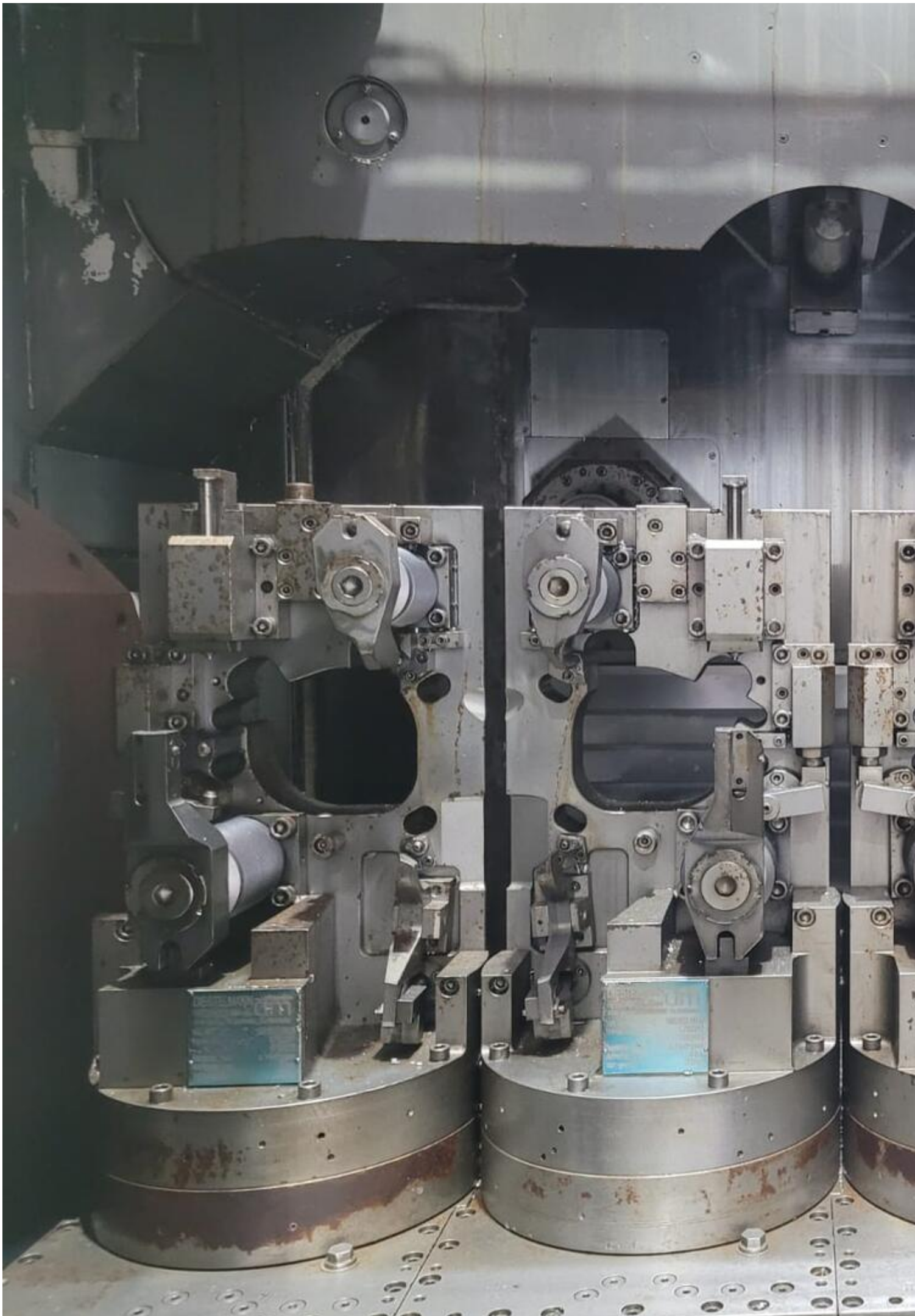














TS 61



**Franz Kessler GmbH**  
D-88422 Bad Buchau Germany

3~Mot.  
IEC 60034  
VDE 0530

Typ DMS 100 46 4 FHS/F 01.096976

SN 207 169 IN.: 000.613.725

min<sup>-1</sup> 4740 - 18000 / 4740 - 15000 - 18000

kW 25 - 25 / / 36 - 36 - 30

V 350 - 418 / / 360 - 418 - 418

A 60 - 51 / / 79 - 65 - 52

Hz 158 - 608 / / 161 - 510 - 510

cosφ Δ / / Δ

S1 / S6/4096

Isol.Cl. F - Vibr.Cl. S1 Bar. IP 54 IC

IM Einschub J 0.038 kgm<sup>2</sup> m<sub>tot</sub> 100 kg

W V A Hz

LCB GEL2442 - 256 Imp/U

Nm V A

12  
=4



-P152

-P152

Hours

068511





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

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**Images:**





HELLE 3

SINUMERIK

HELLE 3 SINUMERIK control panel featuring a screen, alphanumeric keypad, and various control buttons.

The panel includes a central screen, a large alphanumeric keypad with letters A-Z and numbers 0-9, and a numeric keypad. Below the keypad are several control buttons, including a red emergency stop button, a yellow start button, and various function keys. Two rotary dials are visible on the right side of the panel. The bottom section contains several more control buttons and a small display.

25 300 992 541



**HELLER**  
MCT 250







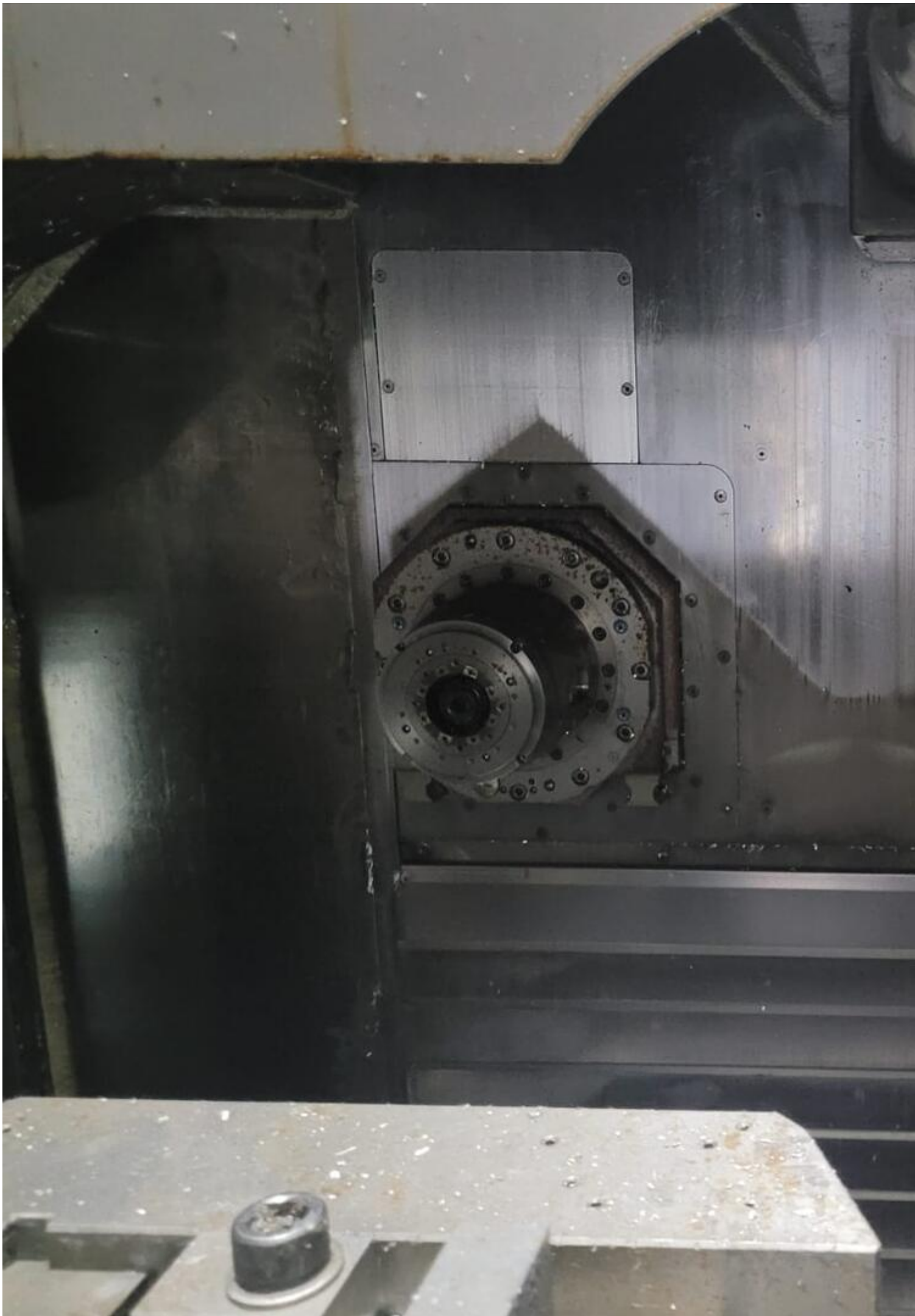












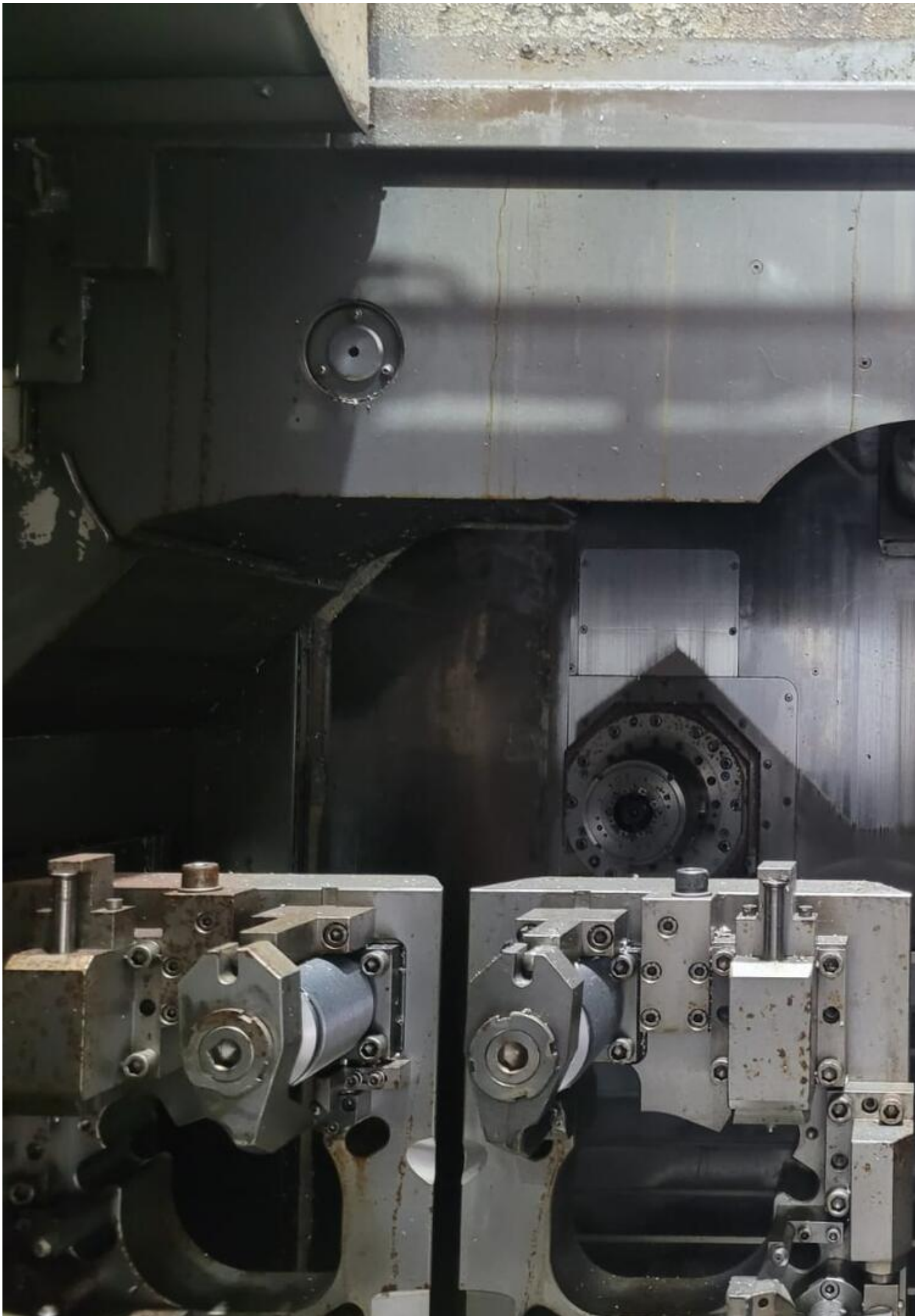




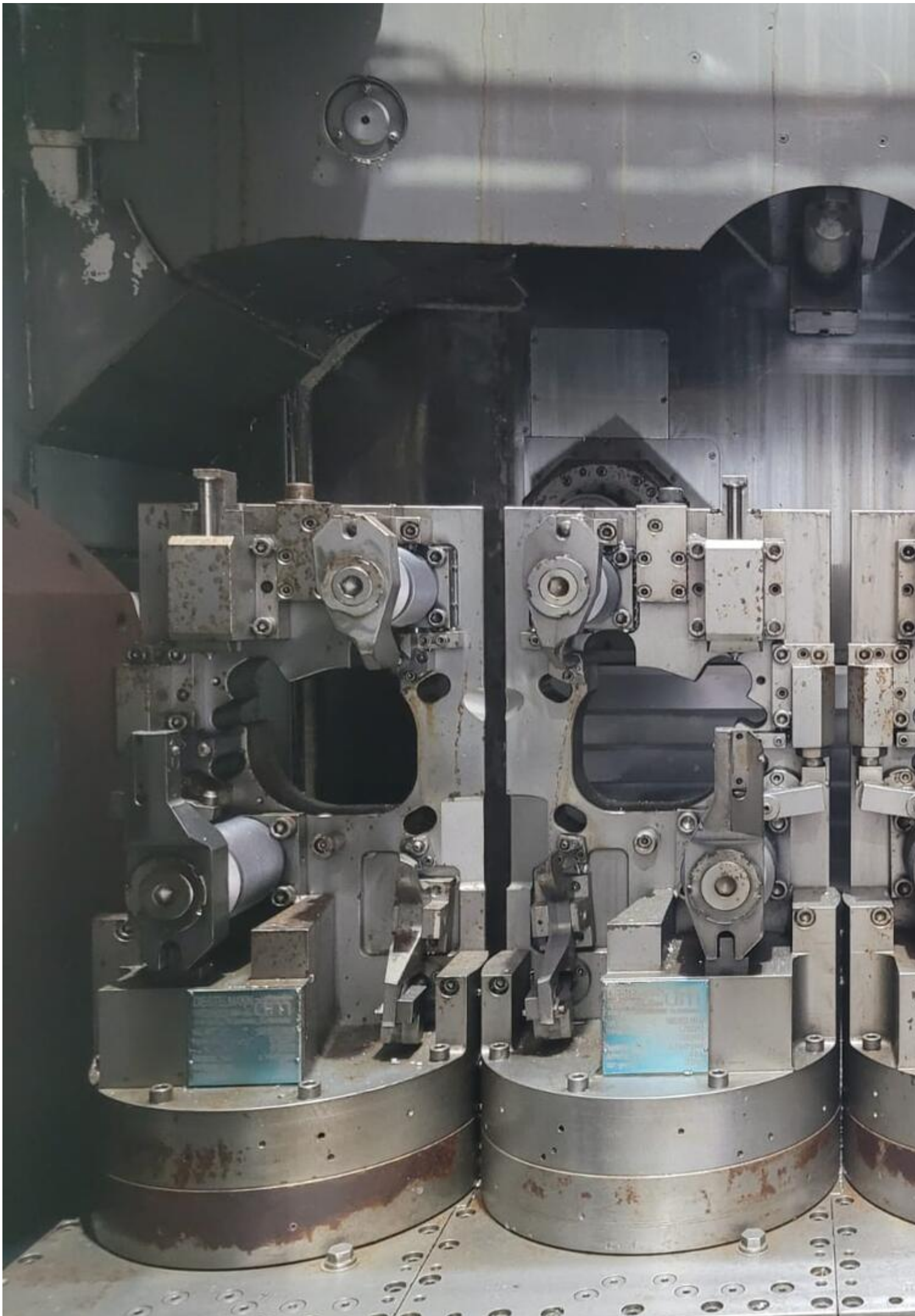














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-P152

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Generated on 24.04.2026

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