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Ref. No.:

1237-09130739

## Overview and Technical Data:

# POSmill H 800 U - 5 Axis universal Machine Center

POSMILL



Year of Build:

Jan 2019

## Description:

## Used POSmill H 800 U - 5 axis machining center with full options

Operating hours: On 5,564 / spindle 1,859 hours.

CNC control Heidenhain TNC 640

### Technical data

- Travels
  - x-axis: 670 mm
  - y-axis: 820 mm
  - z-axis: 600 mm
- distance spindle/table: 120-720\* mm
- tilt range: +120 / -120 degrees
- rotary table: 360 endless degrees
- Table
  - diameter: 800 mm
  - load, max.: 1.200 kg
  - T-slots: 9 number / 90 mm
- Feeding system
  - rapid traverse: up to 60 m/min.
  - Revolutions A-axis: 50
  - Revolutions C-axis: 100
- Drive spindle
  - Tool holder: HSK A63
  - Speed, max.: 18,000 rpm
- Tool changer

- Places: 64 standard max
  - Tool length, max.: 300 mm
  - Tool weight, max.: 8 kg
  - Change time: from 8.5 sec
  - Connected loads
    - Electrical: 90kVA, 400 V
    - Back-up fuse: 125 A
    - Pneumatic: 6 bar
- 

## **Mechanical engineering**

A typical gantry design forms the basis of the H series. This basic design results in many accessibility advantages. On the one hand, optimum accessibility is created for the operator. With this design, the operator stands directly at the table. Furthermore, the 96 tools are placed directly from the opposite side and loading can take place from above. Of course, with the massive dimensioning of 20 tons of machine weight, the best tool life is achieved with maximum workpiece weights of 1.2 tons.

### **Milling head**

The so-called back-sit method reduces the tilting moments to a minimum, so that the best flatness is achieved for large parts. In addition, vibrations and resonances are absorbed, resulting in greatly improved tool life. Combined with grid technology, the milling head meets these requirements with the best dynamics and durability.

### **Control loop**

Of course, we remain loyal to our supplier Heidenhain in full line for you in the H-series as well. Even in the Y-axis we drive with two Heidenhain motors and monitor the positions with two glass scales to eliminate torsion.

### **Force management**

35 kW power in the spindle and linear drive forces of 1.75 tons ensure large reserves even with critical materials. The support elements in the guide shoes themselves are not just balls, but high-quality rollers, so that force transmission takes place at the highest level.

### **Feed system**

The direct drive in all axes is designed with oversized ball screws of  $\varnothing 45$  mm. Acceleration to the rapid traverse rate of 60 m/min. is achieved in the shortest possible time. This is done at a very low thread pitch in order to be able to position reliably.

### **Guide system**

The linear roller guides used offer the best reproducibility combined with a long service life. In this machine class, the 45 mm guide dimensioning ensures extremely long tool life and power reserves for emergencies. The wide guideways in all axes ensure consistent results, even with eccentrically clamped workpieces.

## **Technical Data:**

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Control:

[TNC 640](#)

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18.000 rpm

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Tool Capacity:

96 x

## **Travels:**

X-Axis:

670 mm

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820mm

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600 mm

## **Dimensions and Weight:**

Height:

3.500 mm

Width:

5.000 mm

Length:

4.150 mm

Weight:

20.200 kg

## **Buyer Information:**

Condition:

[Very good condition](#)

Availability:

[Sold](#)

Sold as:

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

VAT:

[19 %](#)

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Location:

Germany

## **Images:**

















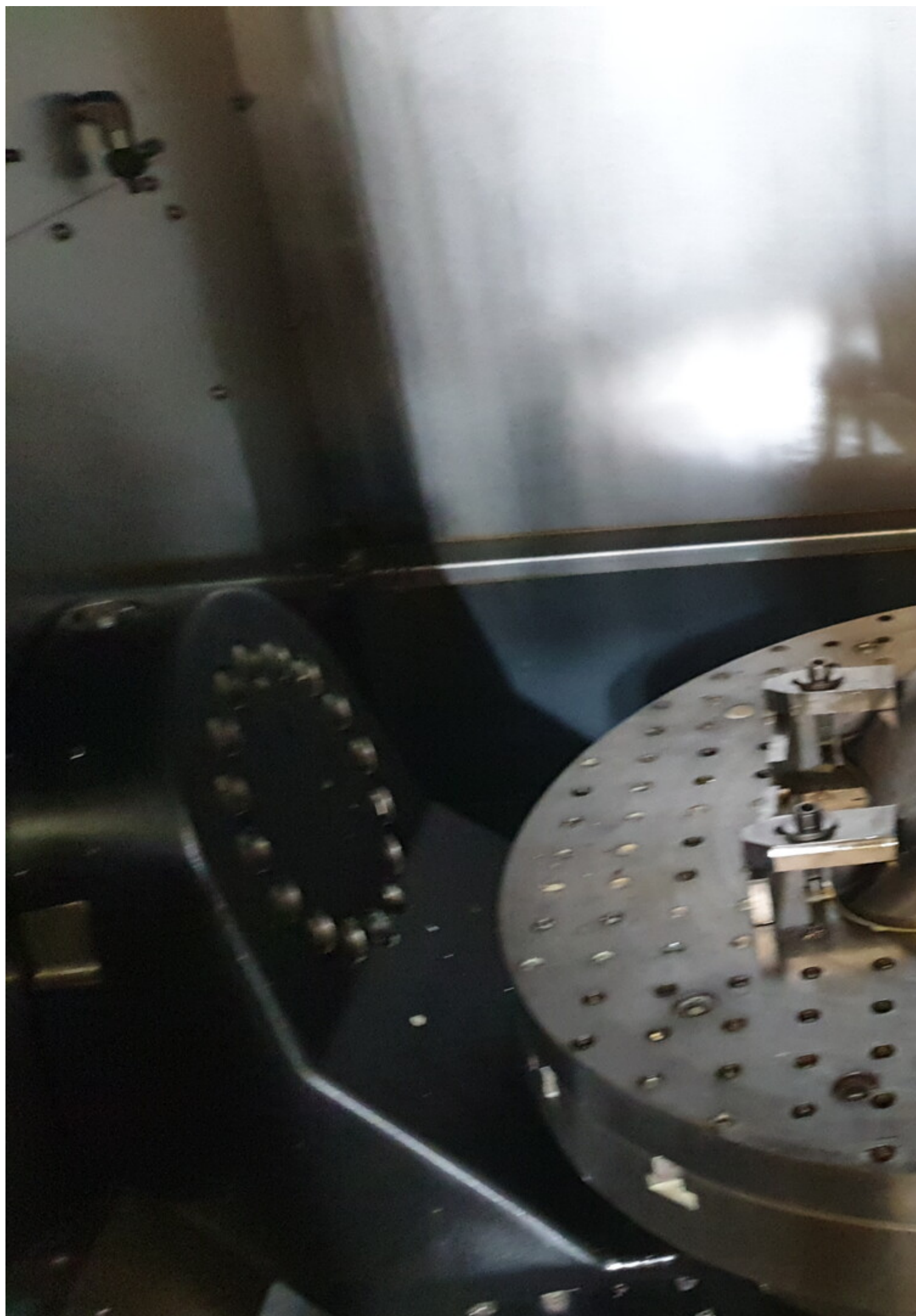










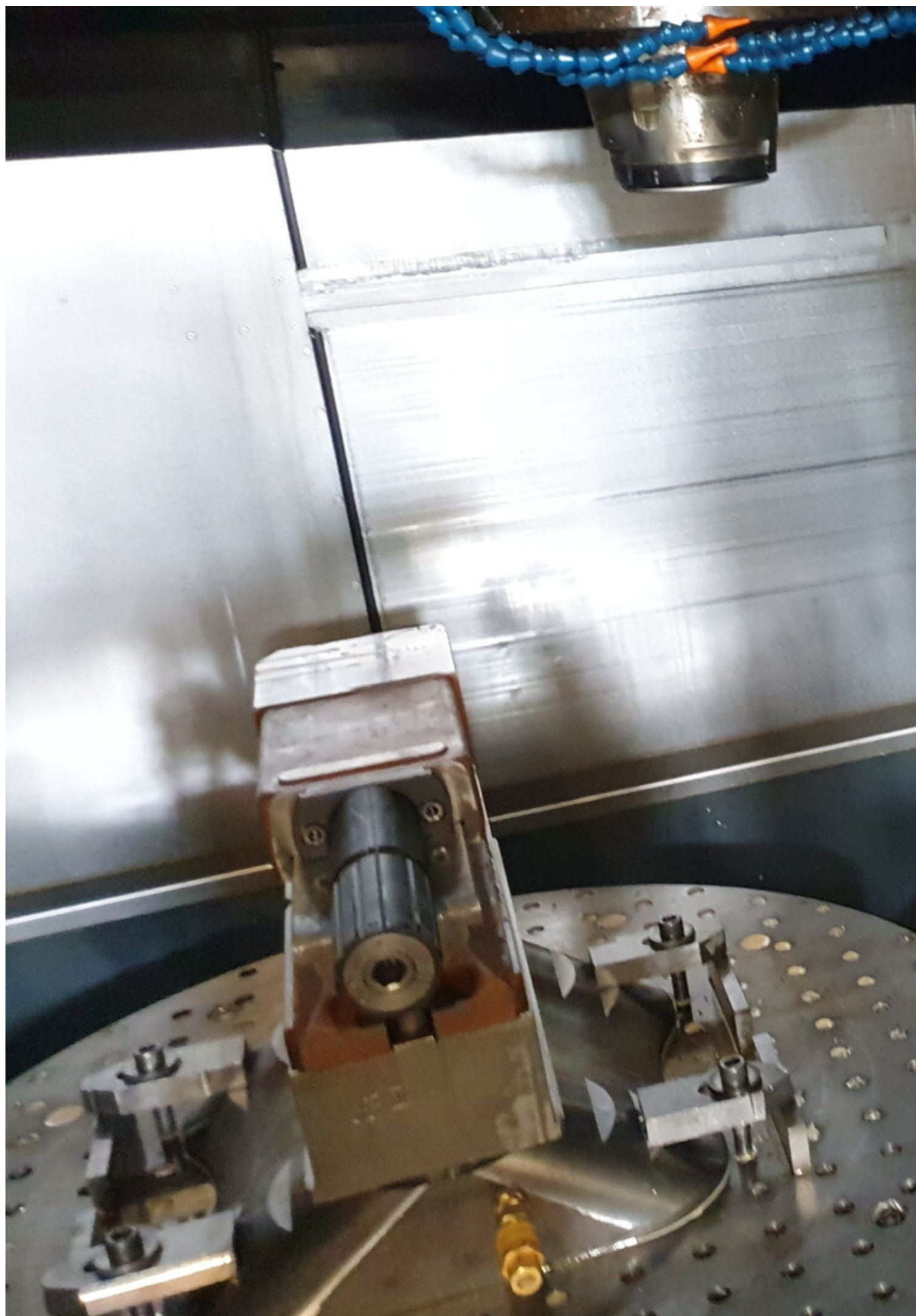




















HEIDENHAIN



Strom-Unterbrechung

Programmieren



#### Einstellungen und Information

- Schlüsselzahl-Eingabe
- Anzeige-Einstellungen
- Grafik-Einstellungen
- Zähler-Einstellungen
- ☒ Maschinen-Einstellungen
- ☒ System-Einstellungen
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- ☒ Allgemeine Information
- Versions-Information
- Lizenz-Information
- Maschinenzeiten**

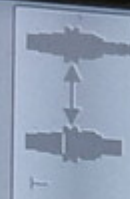
#### Maschinenzeiten

Steuerungstyp: TNC640 310530 00 SP3

Schlüsselzahl

OK

Steuerung ein	5564:57:58
Maschine ein	5248:55:11
Programmlauf	2944:16:35
Hydraulik	5253:02:31
Achsen	1688:43:16
Spindel S1	1825:18:53
Spindel S2	0:00:00







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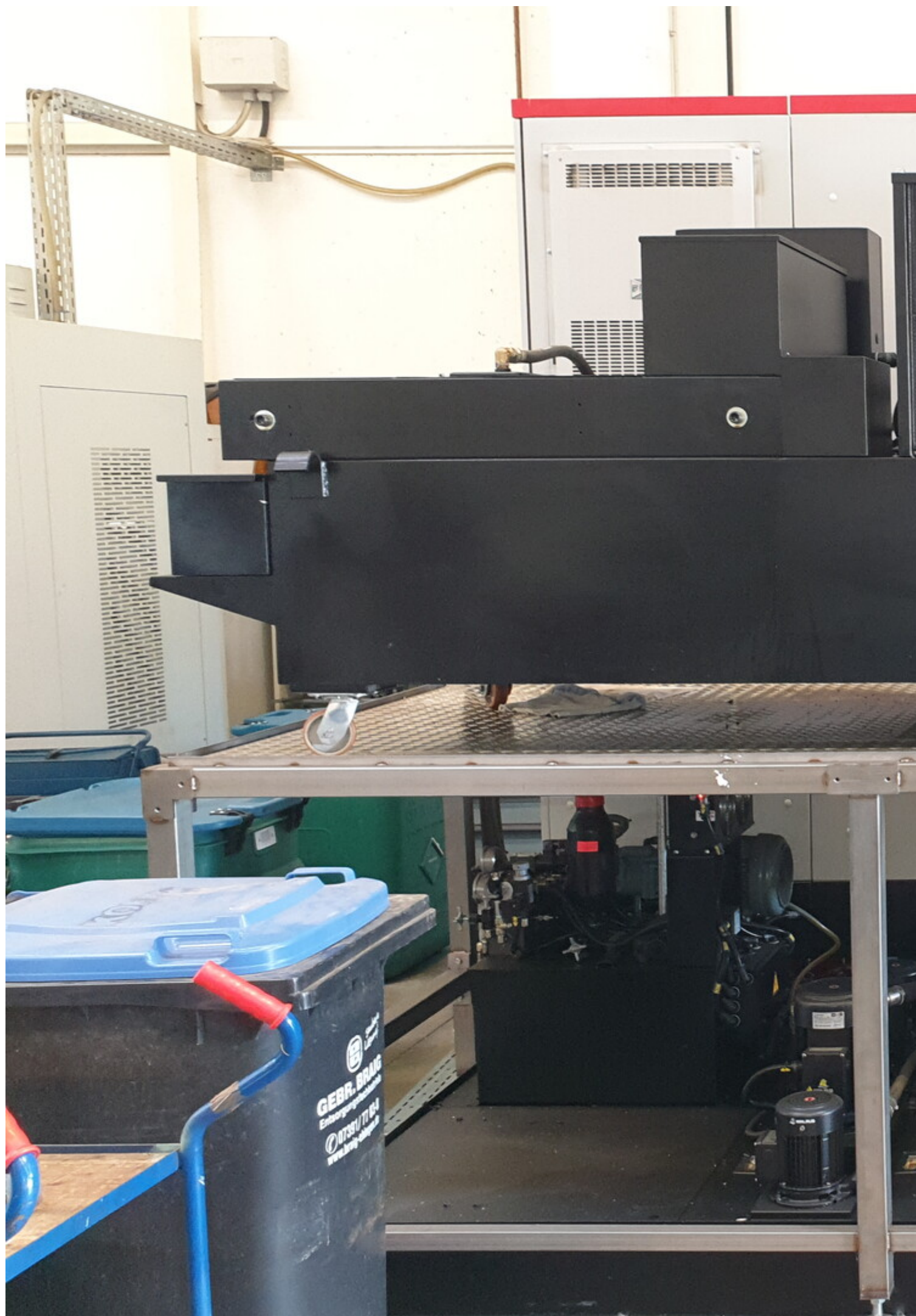
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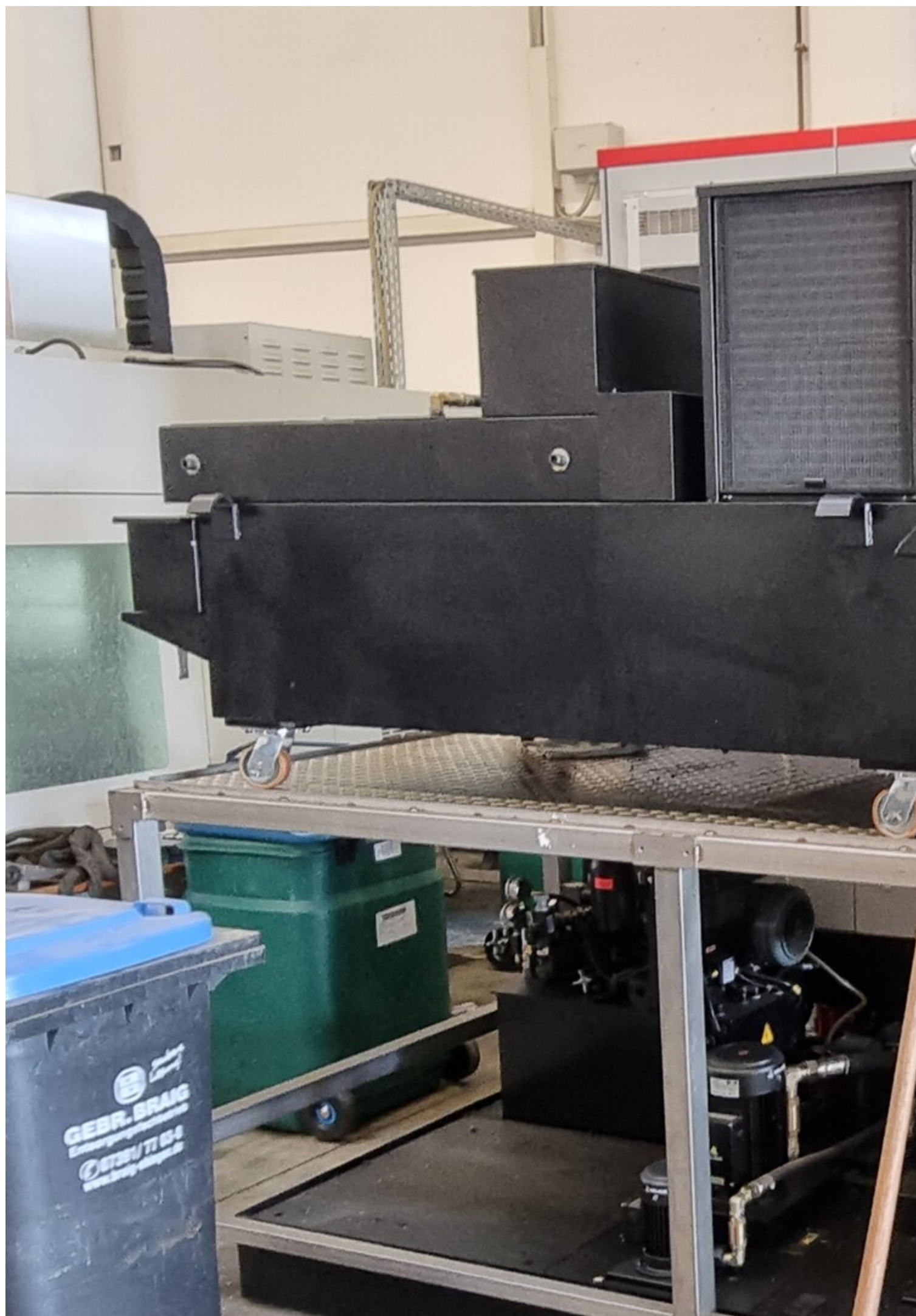












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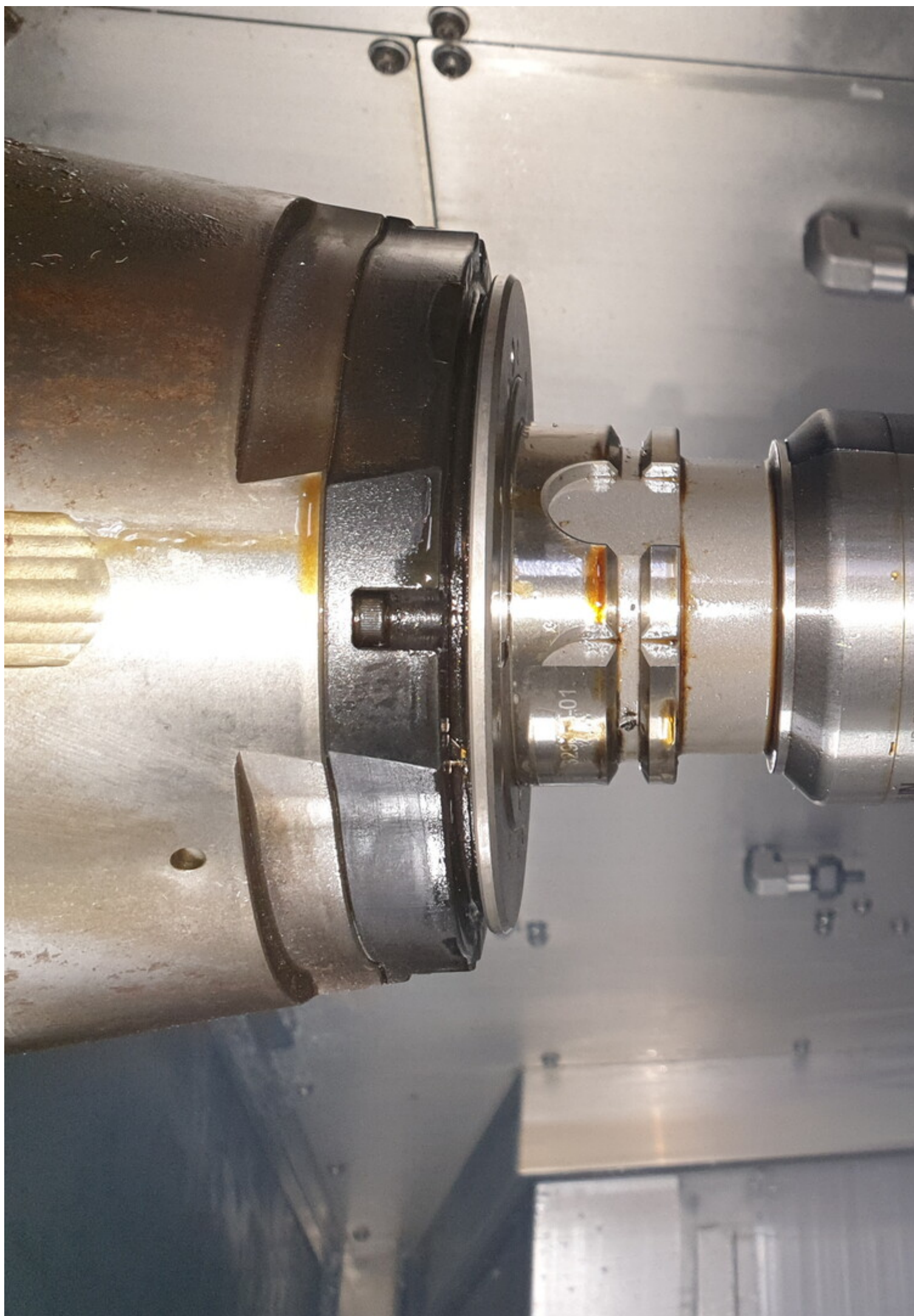




















**Video:**



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Assessment and Sale of Used Assets world wide

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Email: [info@asset-trade.de](mailto:info@asset-trade.de)

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 **POS**   
POSMILL H800U











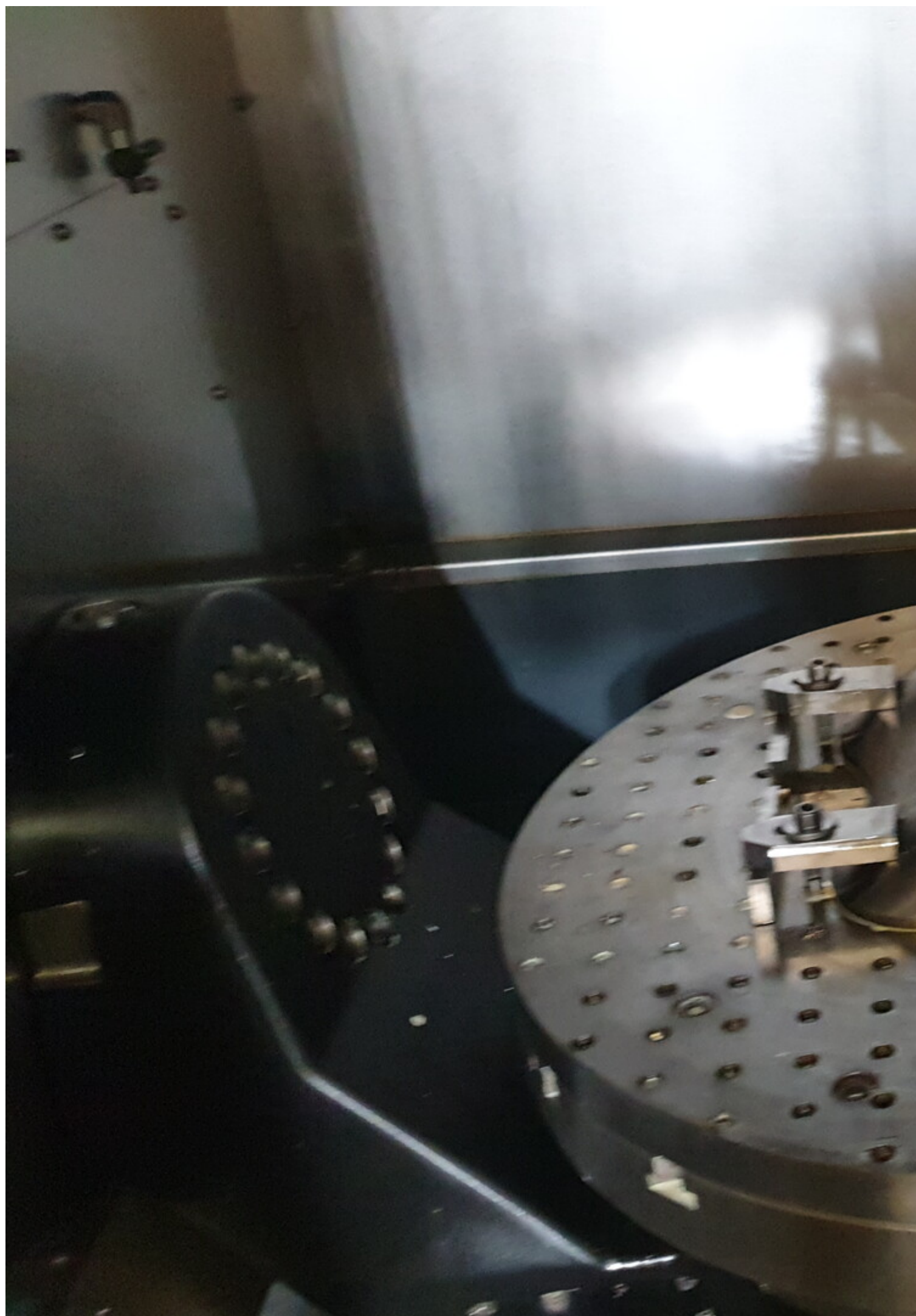










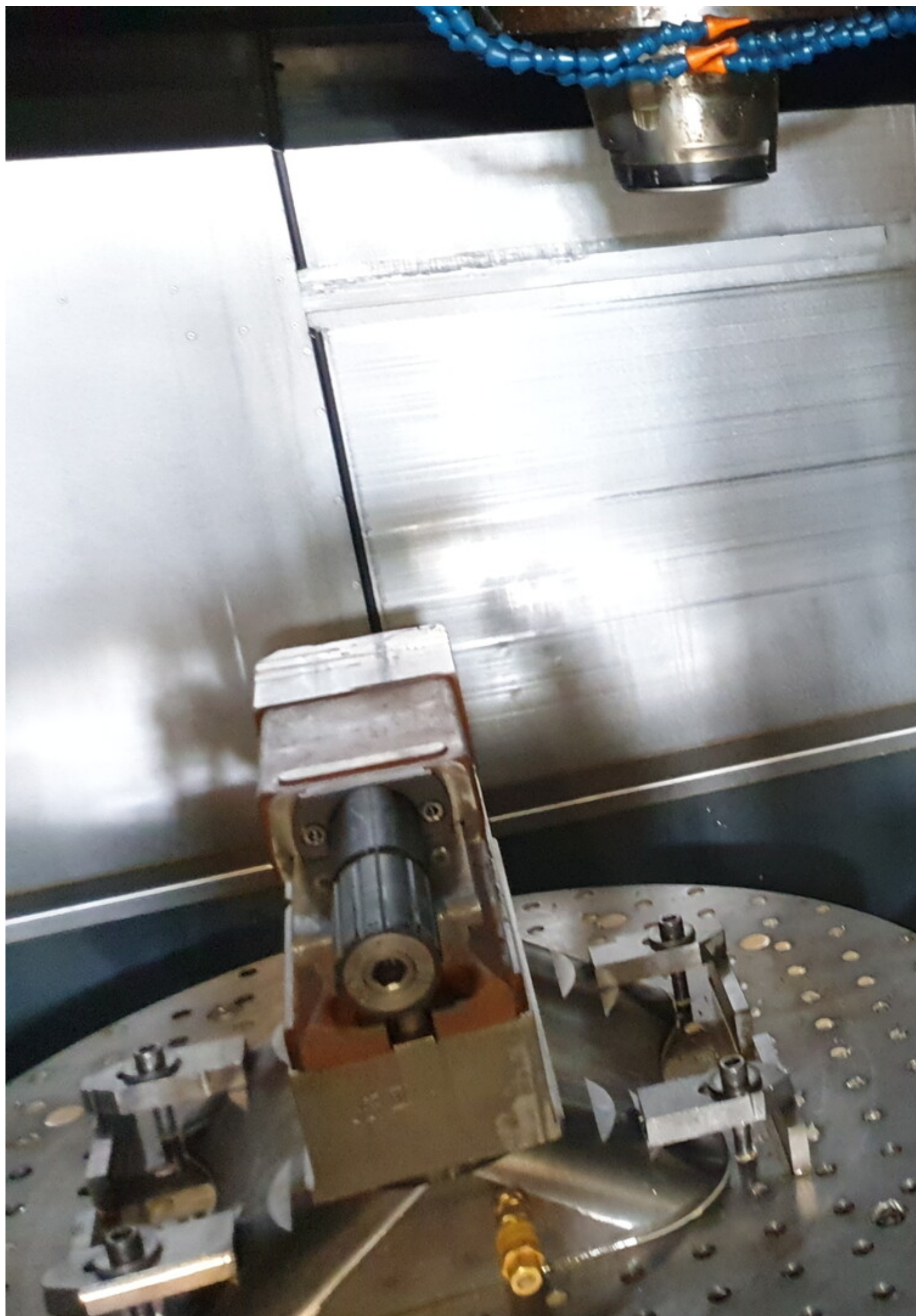






















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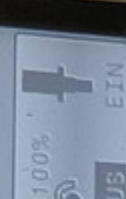
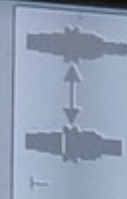
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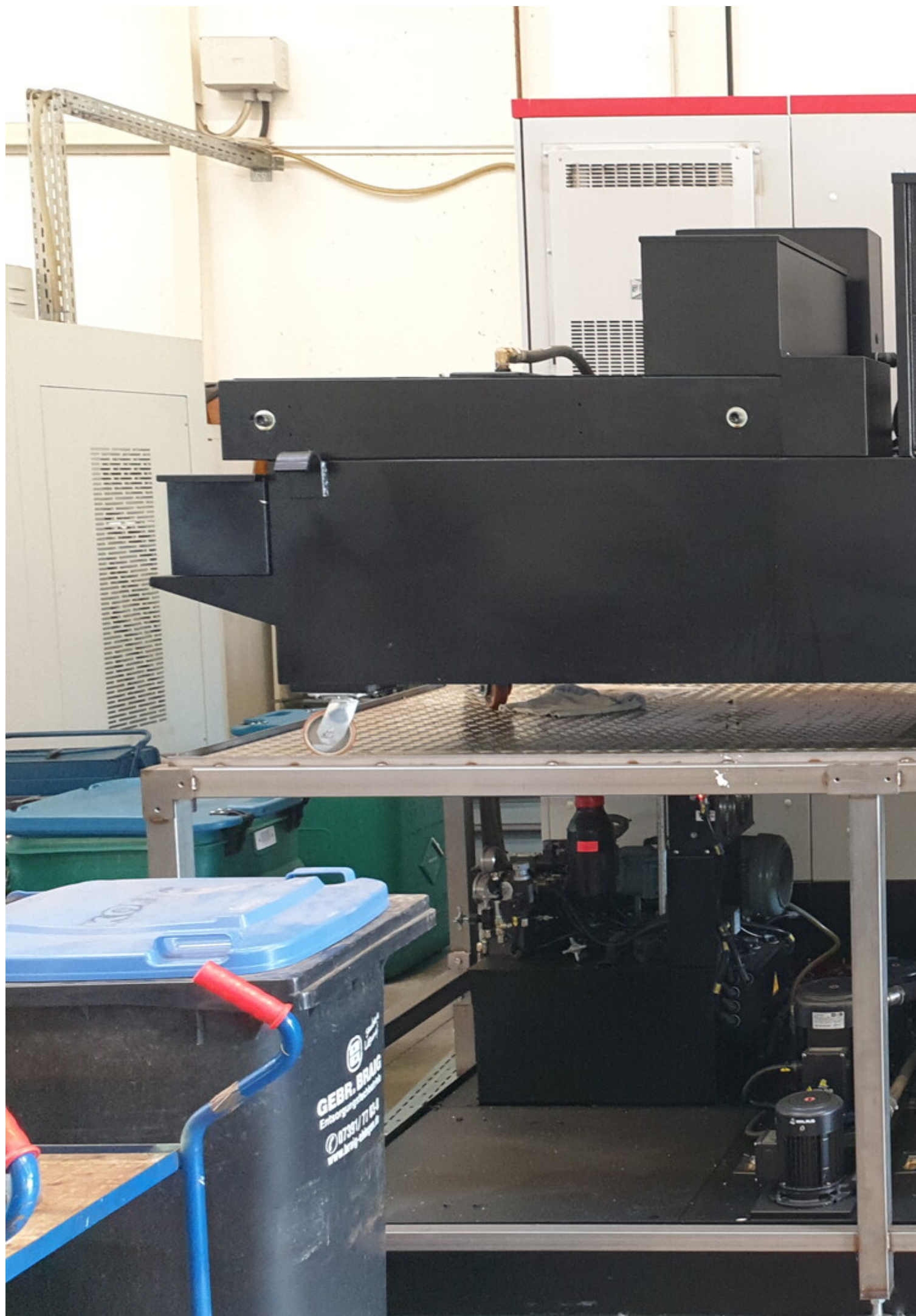
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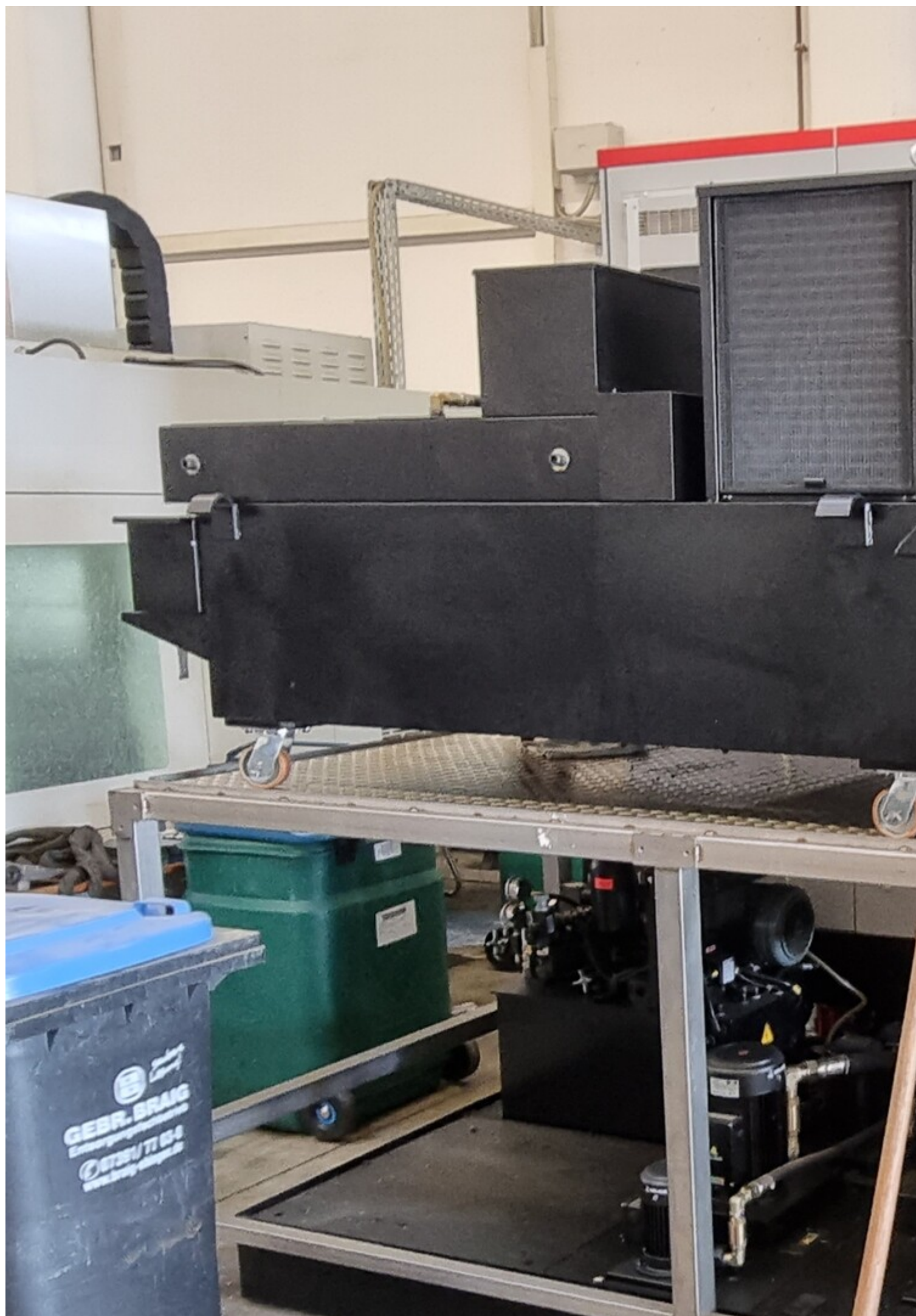

















**ATTENZIONE**

Avvertenza: pericolo di lesioni corporee causate dal movimento delle parti in movimento.

1. Prima di effettuare qualsiasi intervento, assicurarsi che la macchina sia correttamente bloccata.
2. Evitare di effettuare interventi di manutenzione o riparazione durante il funzionamento della macchina.
3. Evitare di effettuare interventi di manutenzione o riparazione durante il funzionamento della macchina.
4. Evitare di effettuare interventi di manutenzione o riparazione durante il funzionamento della macchina.

**ACHTUNG**

Warnung: Gefahr von Verletzungen durch das Bewegen der Teile.

1. Vor Beginn der Arbeiten die Maschine sicherstellen.
2. Während des Betriebs keine Wartungsarbeiten durchführen.
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**WARNING**

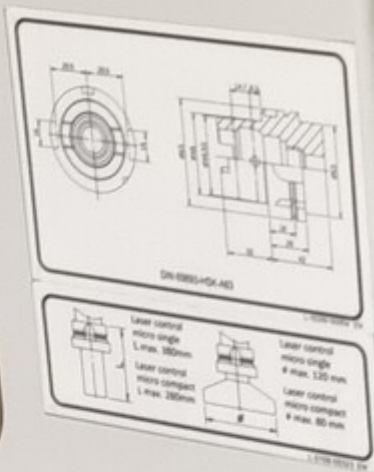
Warning: Danger of injury from moving parts.

1. Before starting work, ensure the machine is properly locked.
2. Do not perform maintenance or repair work while the machine is running.
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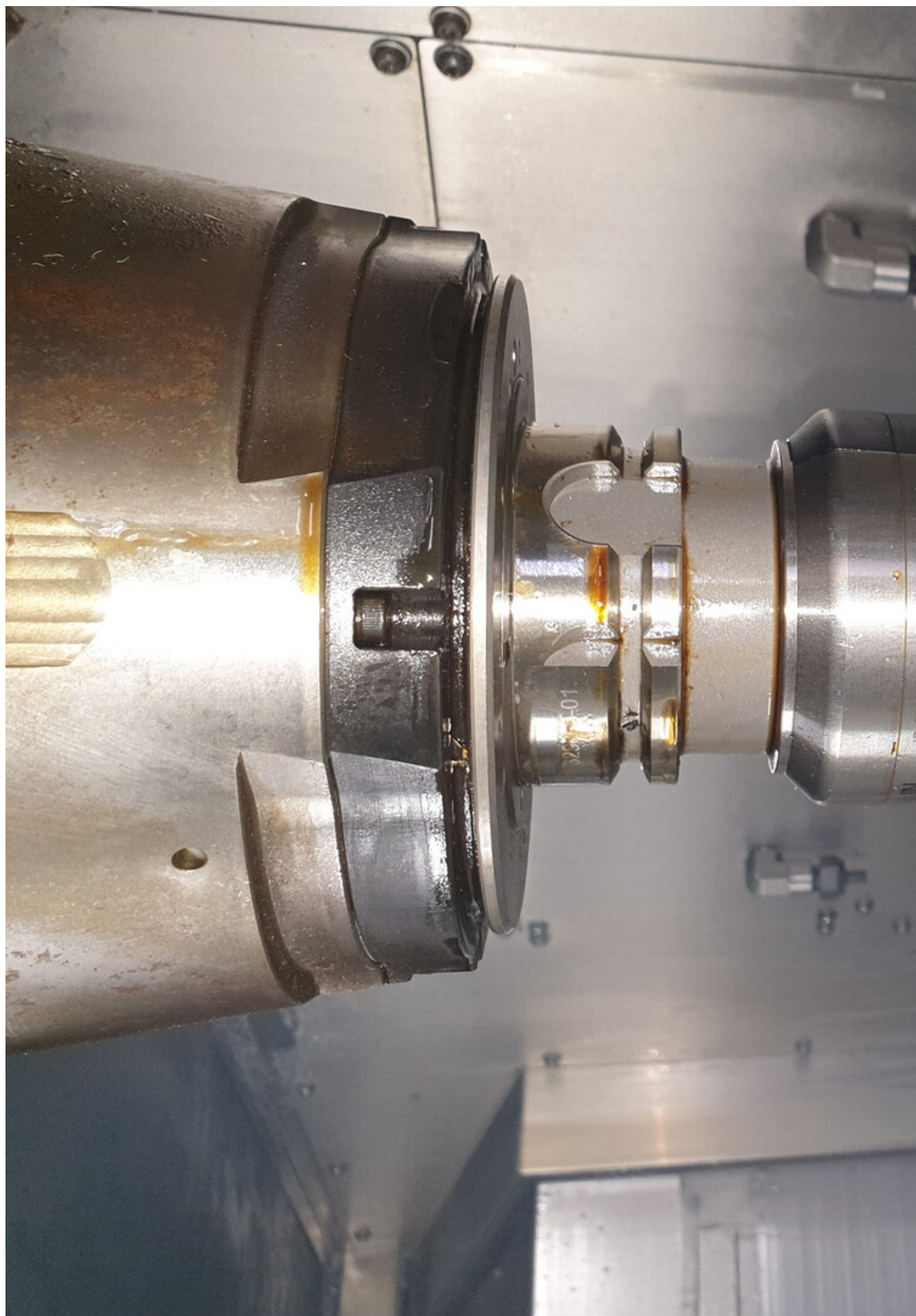


















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