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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](#)

Machine Hours:

5.564 hrs.

Spindle Hours:

1.859 hrs.

Spindle Speed:

18.000 rpm

Tool Holder:

[HSK-A63](#)

Tool Capacity:

96 x

## **Travels:**

X-Axis:

670 mm

Y-Axis:

820mm

Z-Axis:

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 %](#)

Buyers Premium:

[16 %](#)

Location:

Germany

















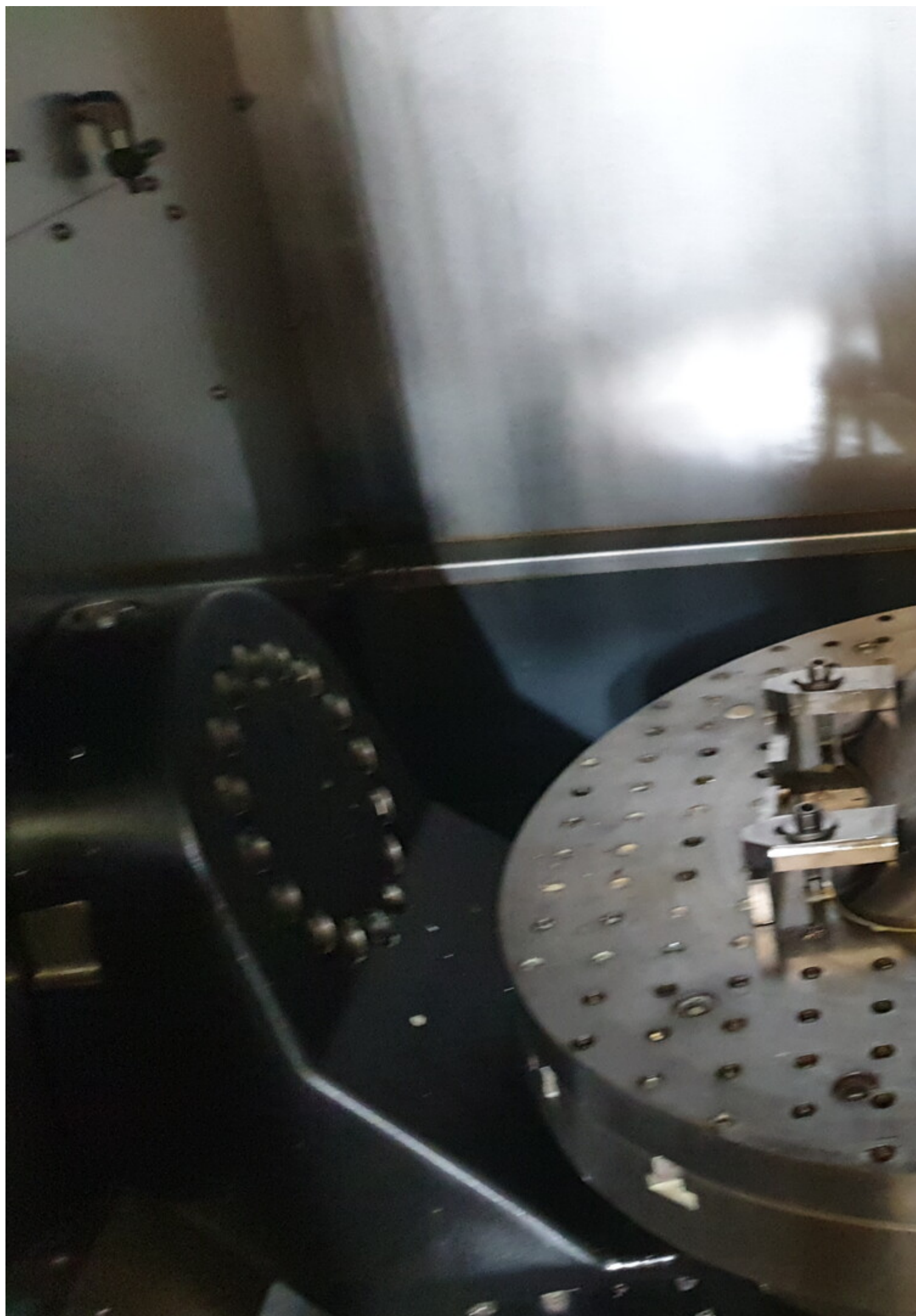










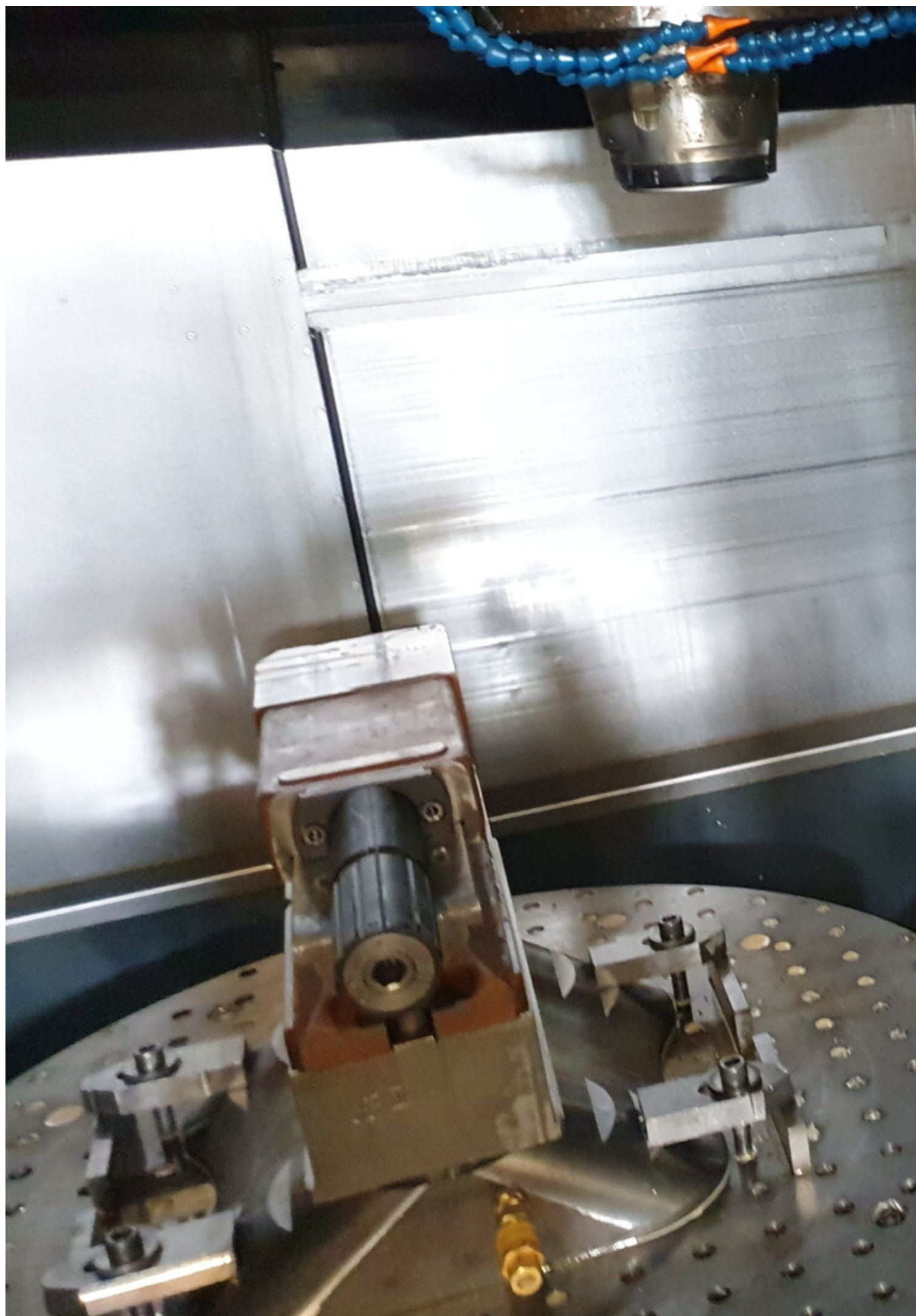




















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#### Einstellungen und Information

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

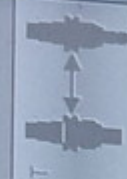
#### Maschinenzeiten

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
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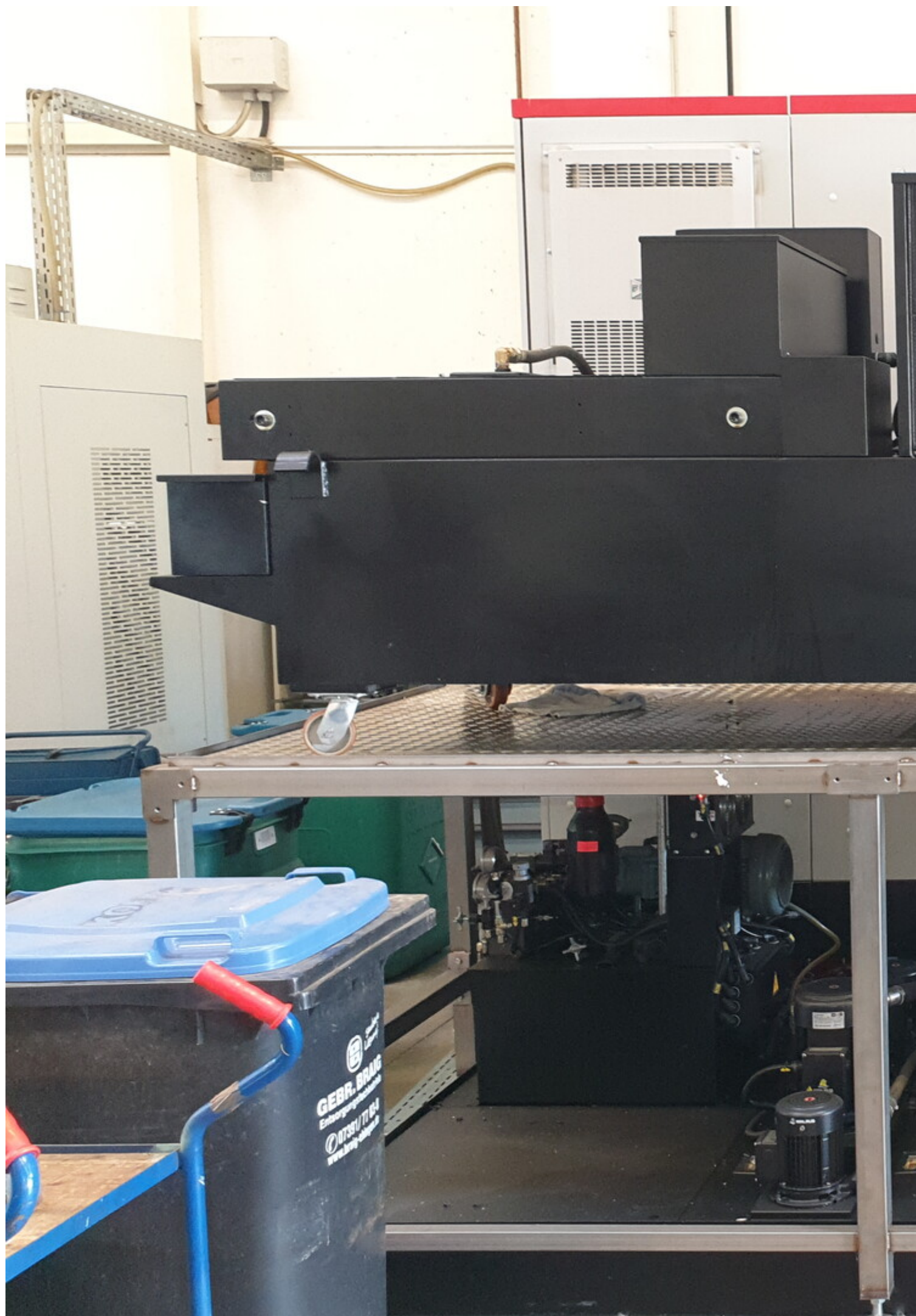
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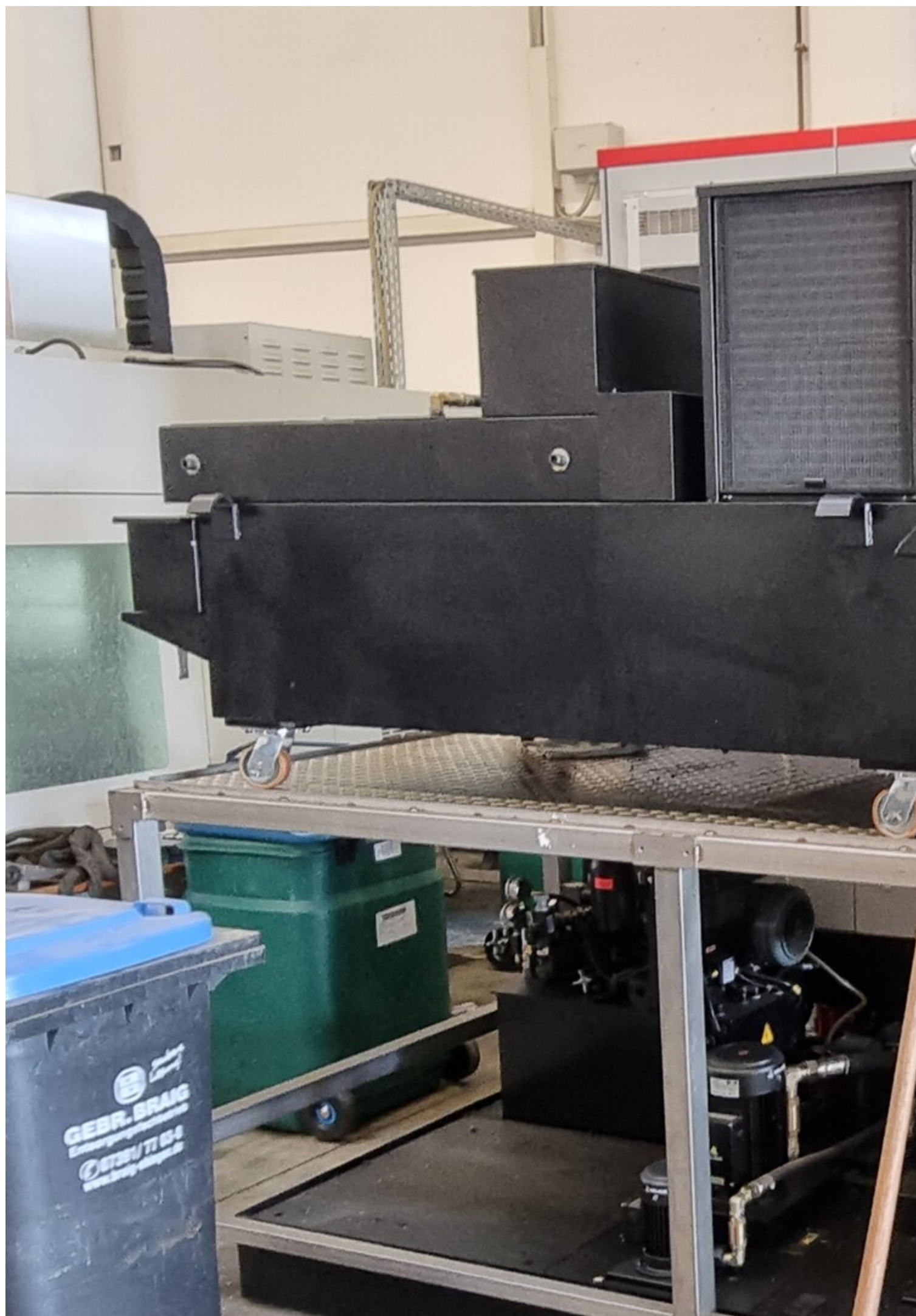












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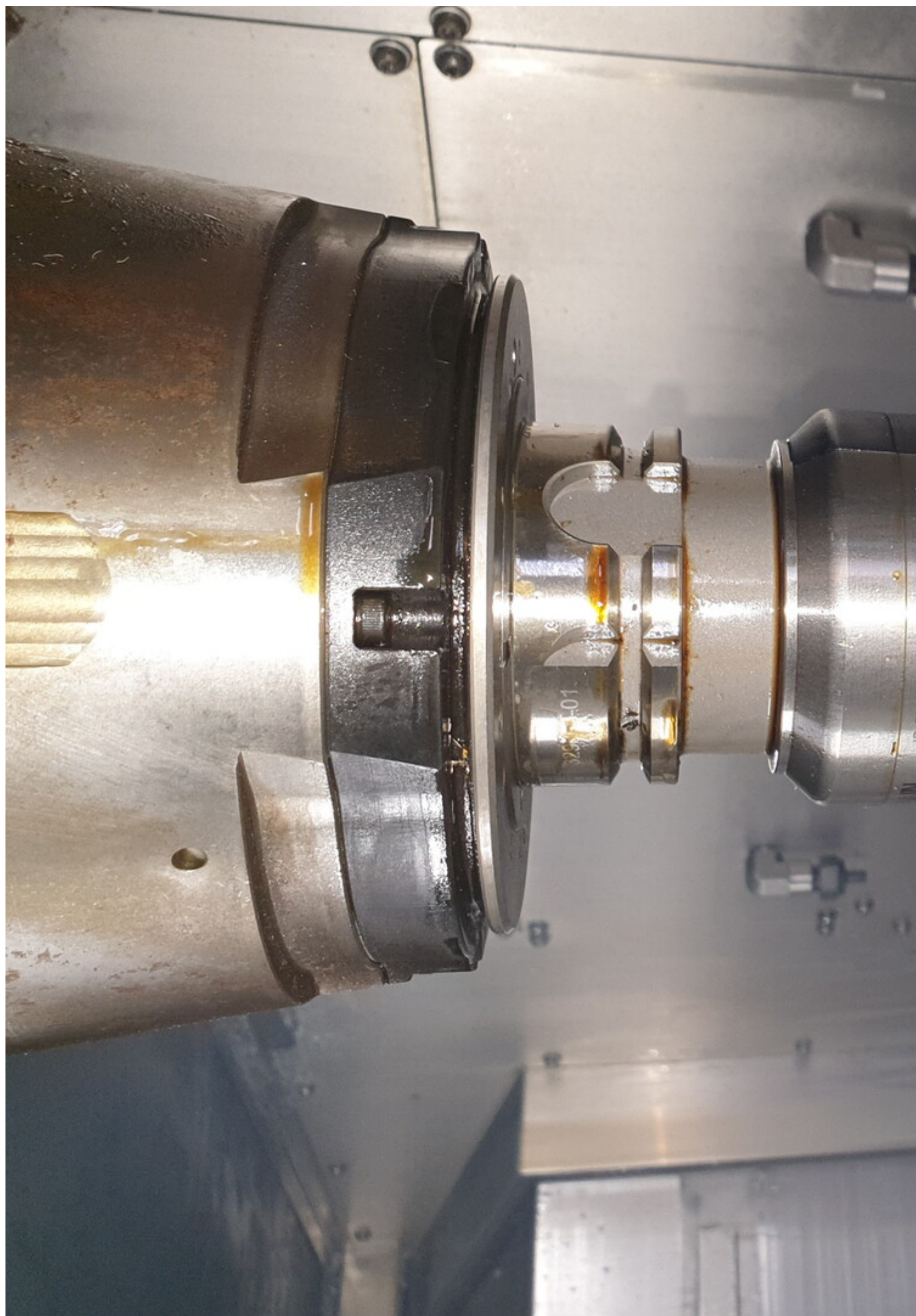










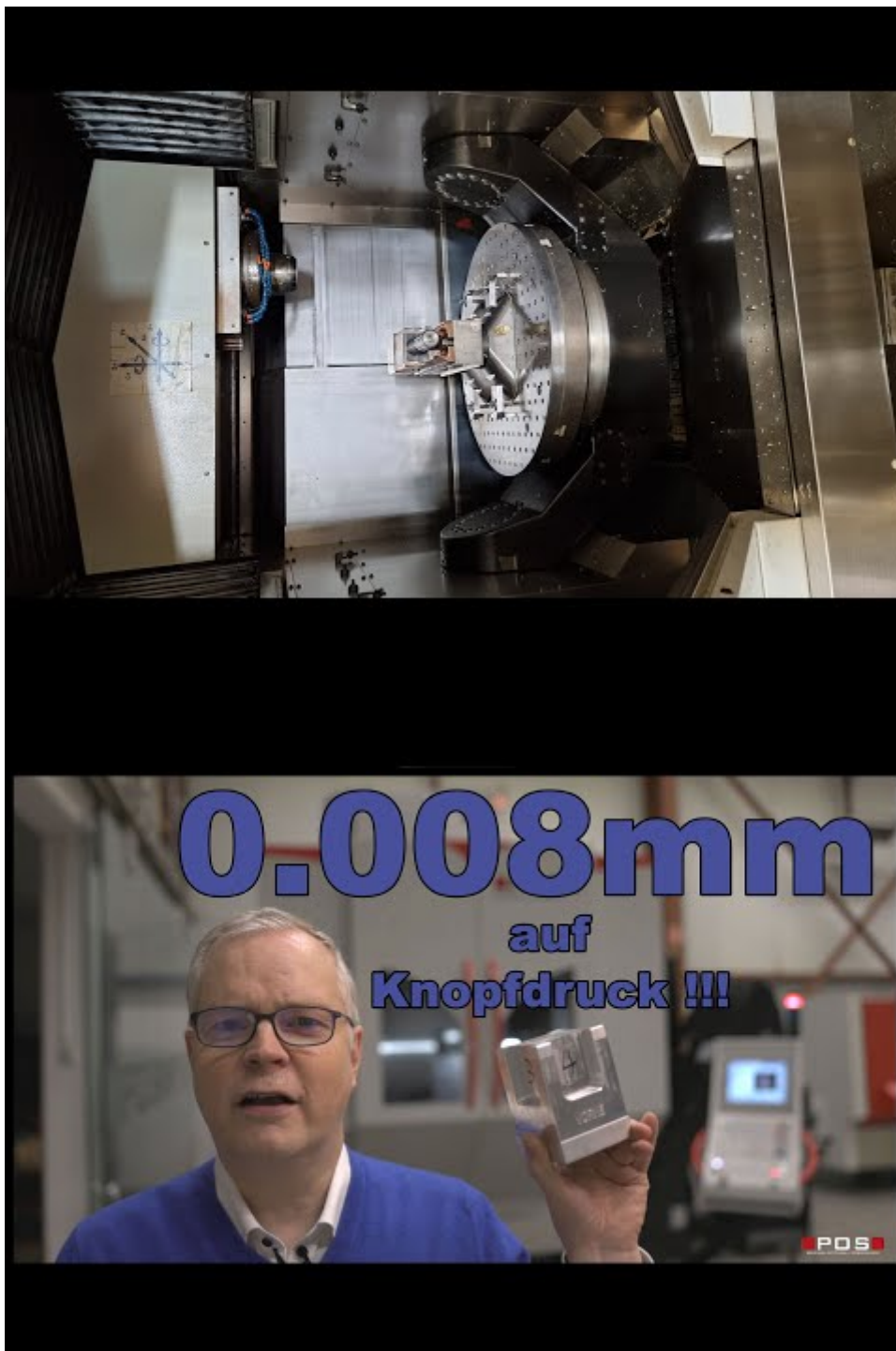










**Video:**



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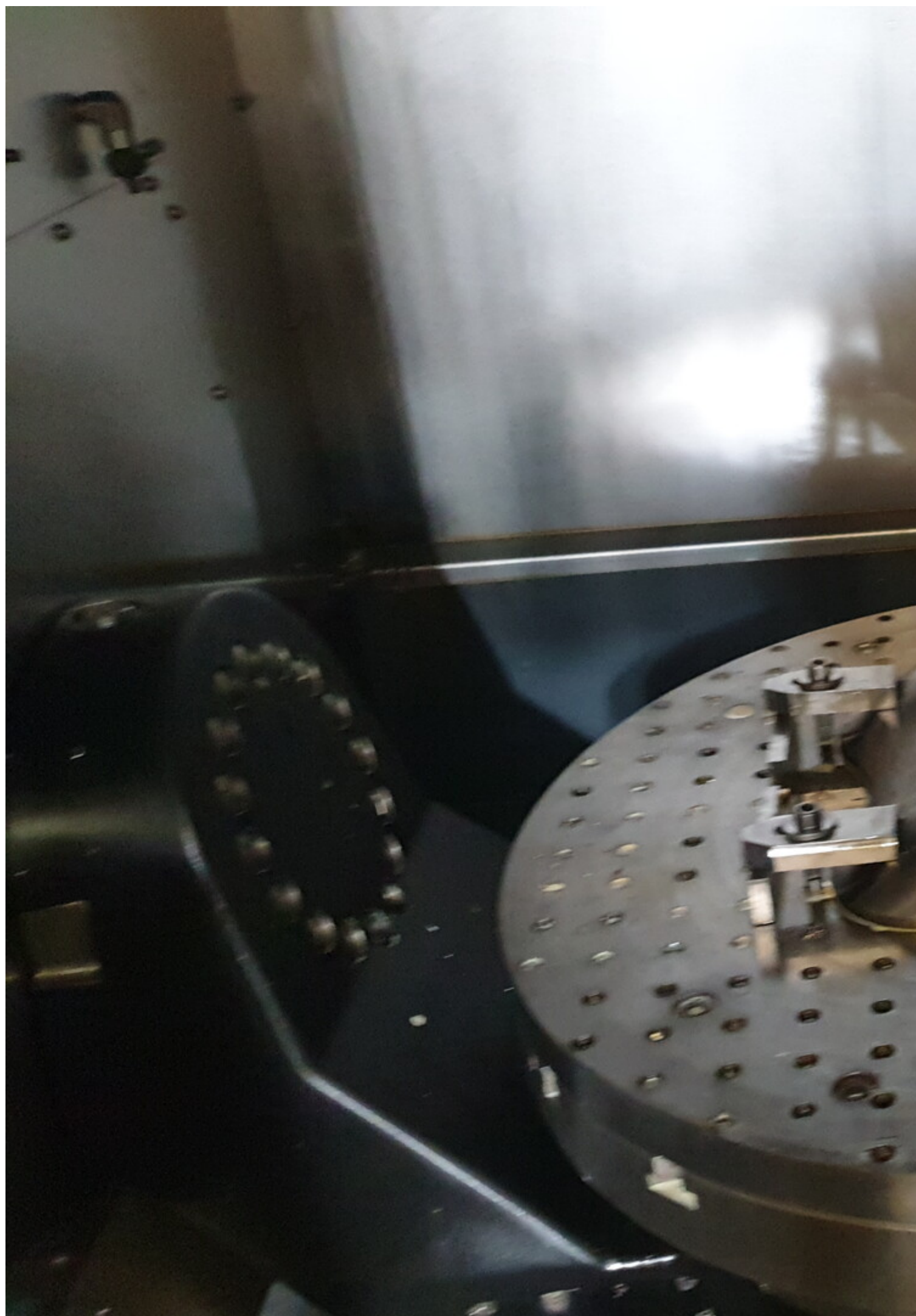










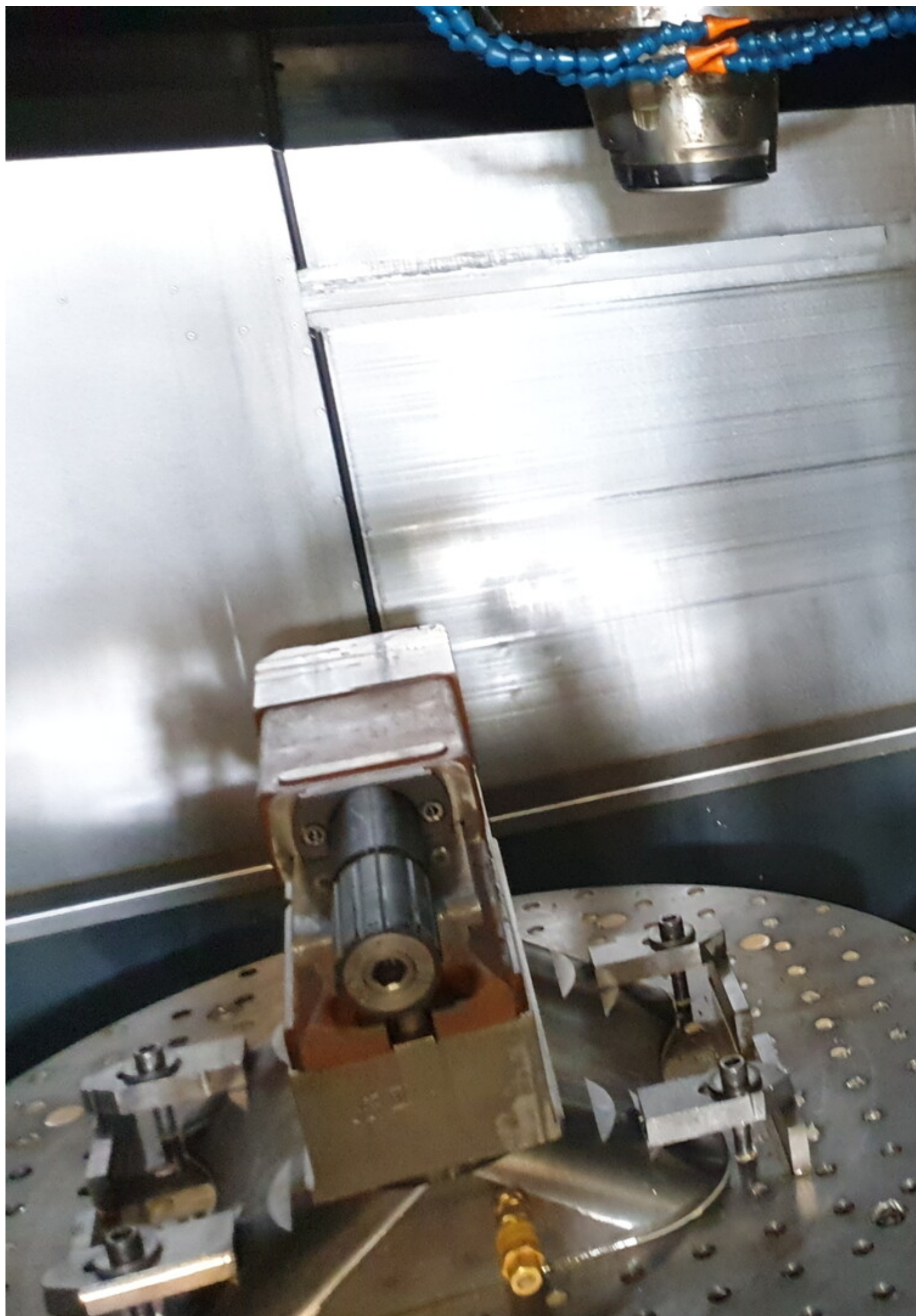














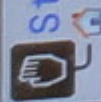








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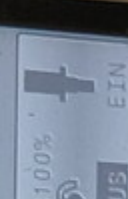
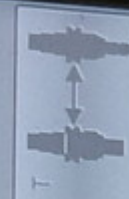
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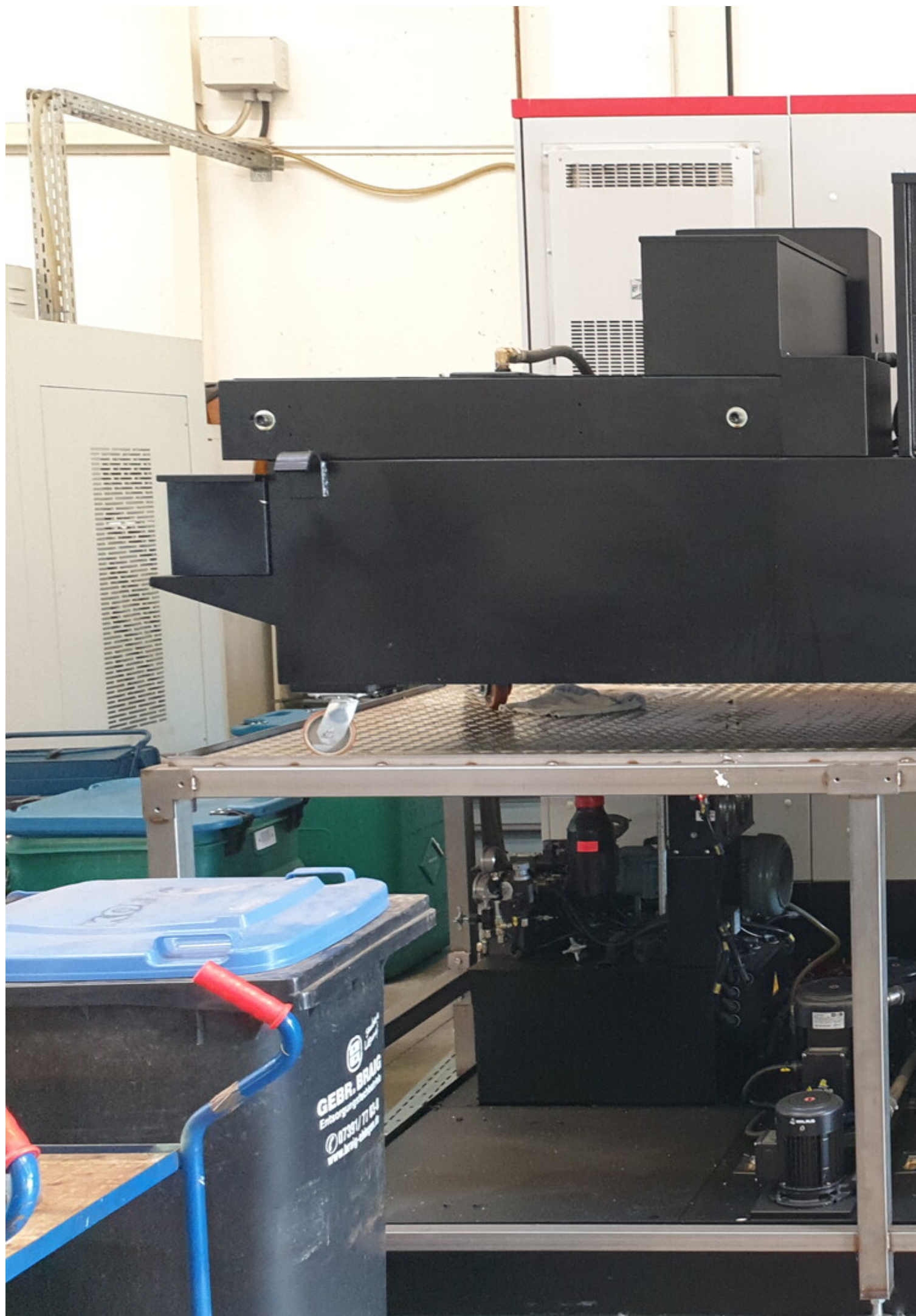
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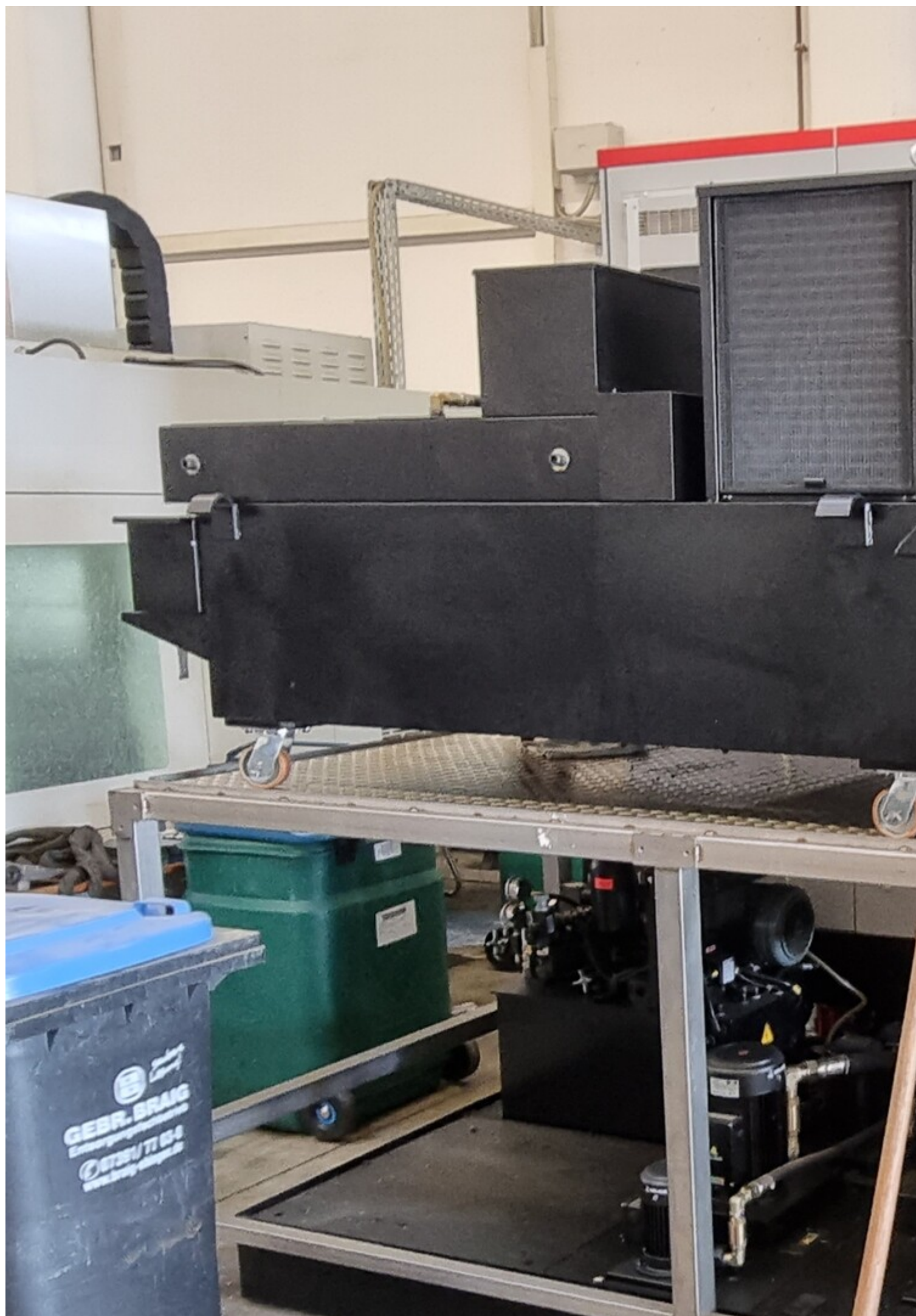













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**ATTENZIONE**

Avvertenza: l'uso scorretto della macchina può causare lesioni gravi o morte.

1. Prima di utilizzare la macchina, leggere attentamente il manuale di istruzioni.
2. Assicurarsi che la macchina sia correttamente installata e che tutti i componenti siano in buone condizioni.
3. Non toccare mai le parti in movimento della macchina.
4. Non lasciare la macchina senza sorveglianza.

**ACHTUNG**

Warnung: Falscher Gebrauch der Maschine kann zu schweren Verletzungen oder zum Tod führen.

1. Vor dem Gebrauch der Maschine das Handbuch sorgfältig lesen.
2. Stellen Sie sicher, dass die Maschine richtig installiert ist und alle Teile in Ordnung sind.
3. Berühren Sie niemals die beweglichen Teile der Maschine.
4. Lassen Sie die Maschine niemals unbeaufsichtigt.

**WARNING**

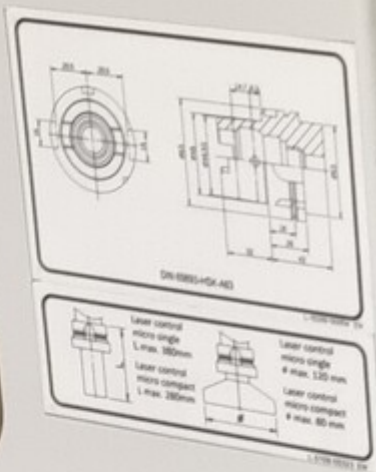
Warning: Improper use of the machine can cause serious injury or death.

1. Read the instruction manual carefully before using the machine.
2. Make sure the machine is properly installed and all parts are in good condition.
3. Do not touch the moving parts of the machine.
4. Do not leave the machine unattended.

**ATTENTION!**

Attention: Utilisation incorrecte de la machine peut entraîner de graves blessures ou la mort.

1. Lire attentivement le manuel d'instructions avant d'utiliser la machine.
2. S'assurer que la machine est correctement installée et que toutes les pièces sont en bon état.
3. Ne pas toucher les parties mobiles de la machine.
4. Ne pas laisser la machine sans surveillance.



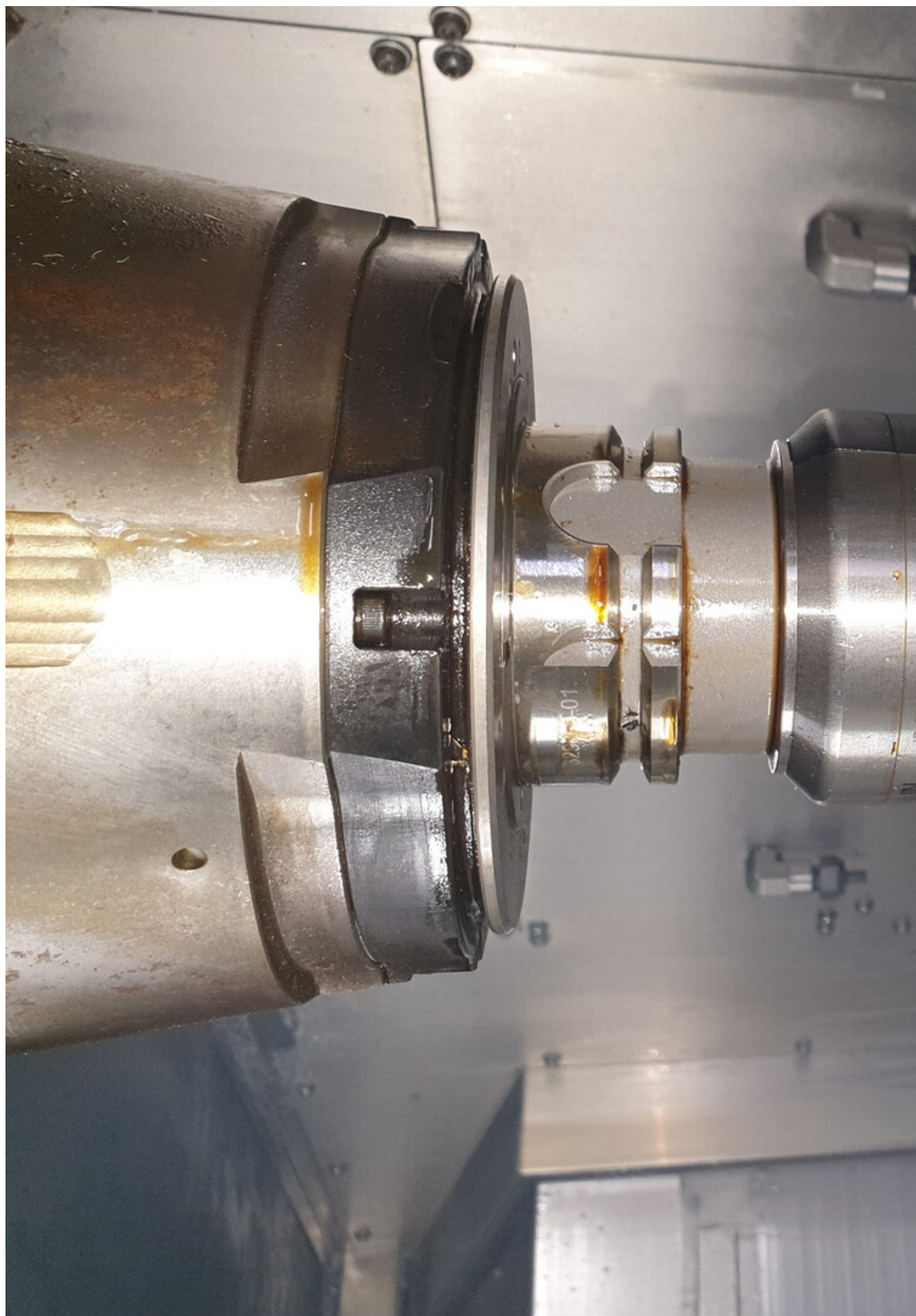


















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