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Ref. No.:

1525-0780800

## Overview and Technical Data:

### 2019 CMZ TD35Y CNC-lathe

CMZ



Year of Build:

Jan 2019

## Description:

### Used CMZ TD-35Y CNC Lathe: Power, Precision, and Reliability for Complex Machining

State-of-the-art Fanuc CNC Control

Discover the ultimate in turning performance with the CMZ TD-35Y. Designed for demanding production environments, this machine combines tremendous power with exceptional precision—based on CMZ's 80 years of manufacturing experience. Part of the renowned TD series, the TD-35Y integrates a Y-axis and driven tools, enabling complex, multi-axis machining in a single setup. This drastically reduces cycle times and increases efficiency.

## Key Features

**Unmatched Rigidity and Stability:** The foundation of every TD series machine is the highly rigid, monoblock cast iron machine bed. This one-piece design, paired with robust prism guides, provides excellent vibration damping, resulting in outstanding surface finishes and longer tool life.

- **Advanced Thermal Control:** CMZ has developed a comprehensive cooling system to ensure exceptional thermal stability.
  - **Integrated Spindle Cooling:** The main spindle motor is integrated directly into the headstock and features oil cooling. This eliminates belts and pulleys, ensuring quieter and more reliable operation.
  - **Axis Cooling:** The ball screw nuts and mounts of the X and Y axes are oil-cooled.
- Baseplate Sensor:** A temperature sensor in the baseplate continuously monitors and regulates the temperature of the cooling oil for the spindles, nuts, and turret.
- Laser Compensation:** Each machine features bidirectional and interpolated laser compensation on all axes, including the C-axis, for consistent accuracy.

- **High-Performance Spindle:** The integrated spindle motor delivers impressive power and torque with shorter acceleration and deceleration times. This design significantly increases accuracy and improves machining efficiency.
  - **Dynamic Turret with Live Tools:** The turret is designed for speed, power, and precision.
  - **High-speed indexing:** Tool changes take just 0.2 seconds for adjacent positions and 0.5 seconds for a 180° rotation.
  - **Powerful driven tools:** The built-in motor delivers 12,000 rpm, 13 kW of power, and 105 Nm of torque for demanding milling, drilling, and threading operations.
  - **Hydraulic clamping:** A robust hydraulic system ensures stable tool clamping and maximum performance.
- Oil cooling: The entire turret is oil-cooled, ensuring greater thermal stability during extended use.

## Technical Specifications: CMZ TD-35Y

### Capacity

- Max. Swing Diameter Over Bed: 950 mm
- Max. Turning Diameter: 715 mm
- Max. Turning Length (Z800 / Z1350): 800 mm / 1350 mm

### Main Spindle

- Spindle Head: ASA A2-8"
- Spindle Speed: 3,000 rpm
- Bar Capacity: 95 mm
- Recommended Chuck Size: 315 / 400 mm
- Motor power (S3 25% / S1): 48 kW / 39 kW
- Max. torque (Max. / S3 25% / S1): 1500 Nm / 1273 Nm / 1035 Nm

### Axes

- X-axis travel: 380 mm
- Z-axis travel: 800 mm / 1350 mm
- Y-axis travel: ±80 mm
- Rapid traverse (X, Z, Y): 30 m/min, 30 m/min, 15 m/min

### Turret & Live Tooling

- Number of Stations: 16
- Toolholder Type: BMT
- Live Tool Speed: 12,000 rpm
- Live Tool Power: 13 kW
- Live Tool Torque: 105 Nm

**To learn more about how the CMZ TD-35Y can revolutionize your production, please contact us.**

## Technical Data:

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Control:  
[FANUC](#)

Turning length:  
1350.00 mm  
Turning diameter:  
800.00 mm  
Spindle Speed:  
12000.00 rpm  
Driven Tools:  
16.00  
Tool Capacity:  
16 x  
Tailstock:  
Yes  
Bezel:  
Yes

### **Dimensions and Weight:**

Height:  
1900 mm  
Length:  
2803 mm  
Width:  
1930 mm

### **Buyer Information:**

Condition:  
[Very good condition](#)  
Available:  
[Sold](#)  
Sold as:  
[EXW \(Ex Works - Incoterm\)](#)  
VAT:  
[19 %](#)  
Buyers Premium:  
[18 %](#)  
Location:  
Germany

### **Images:**







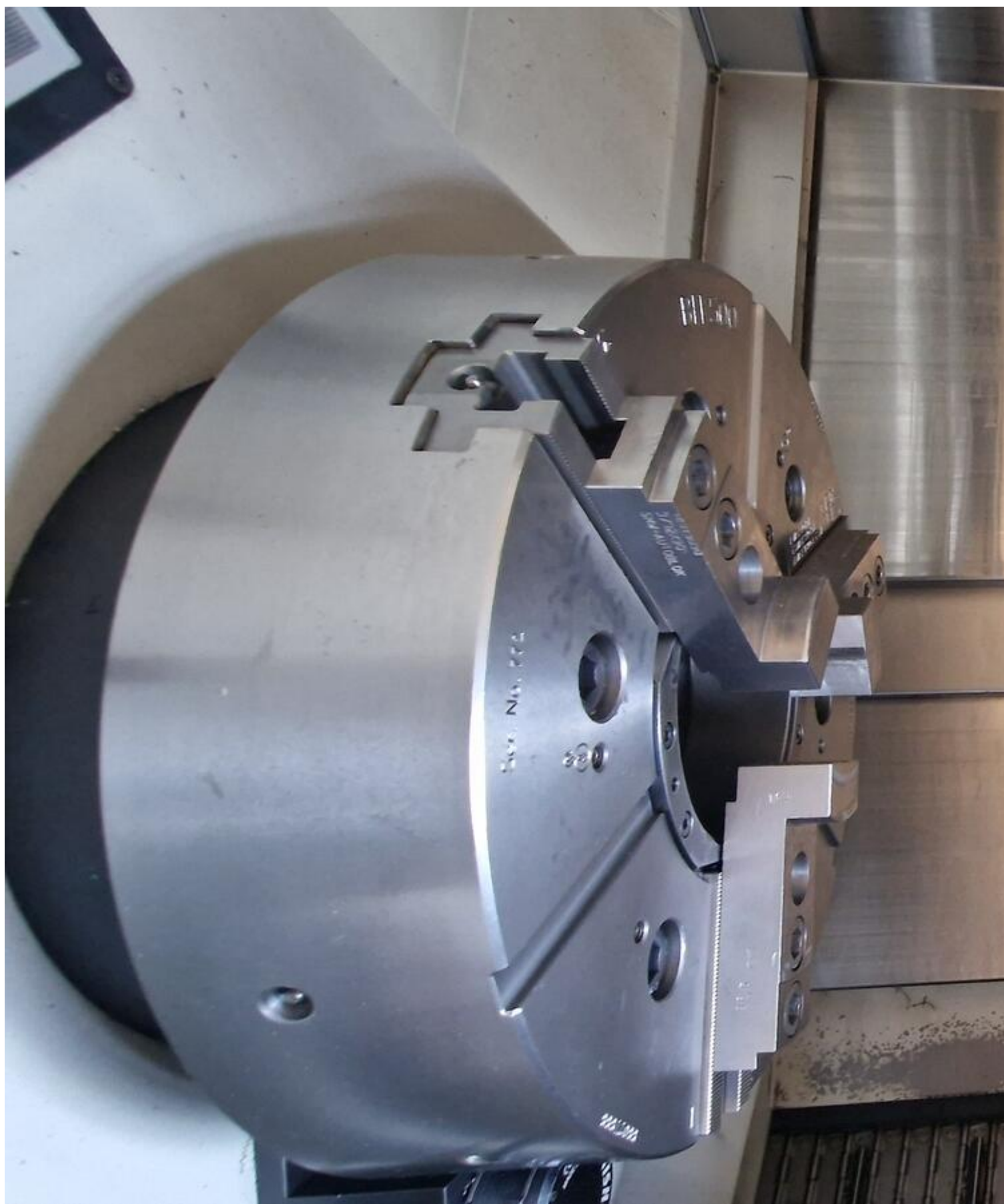












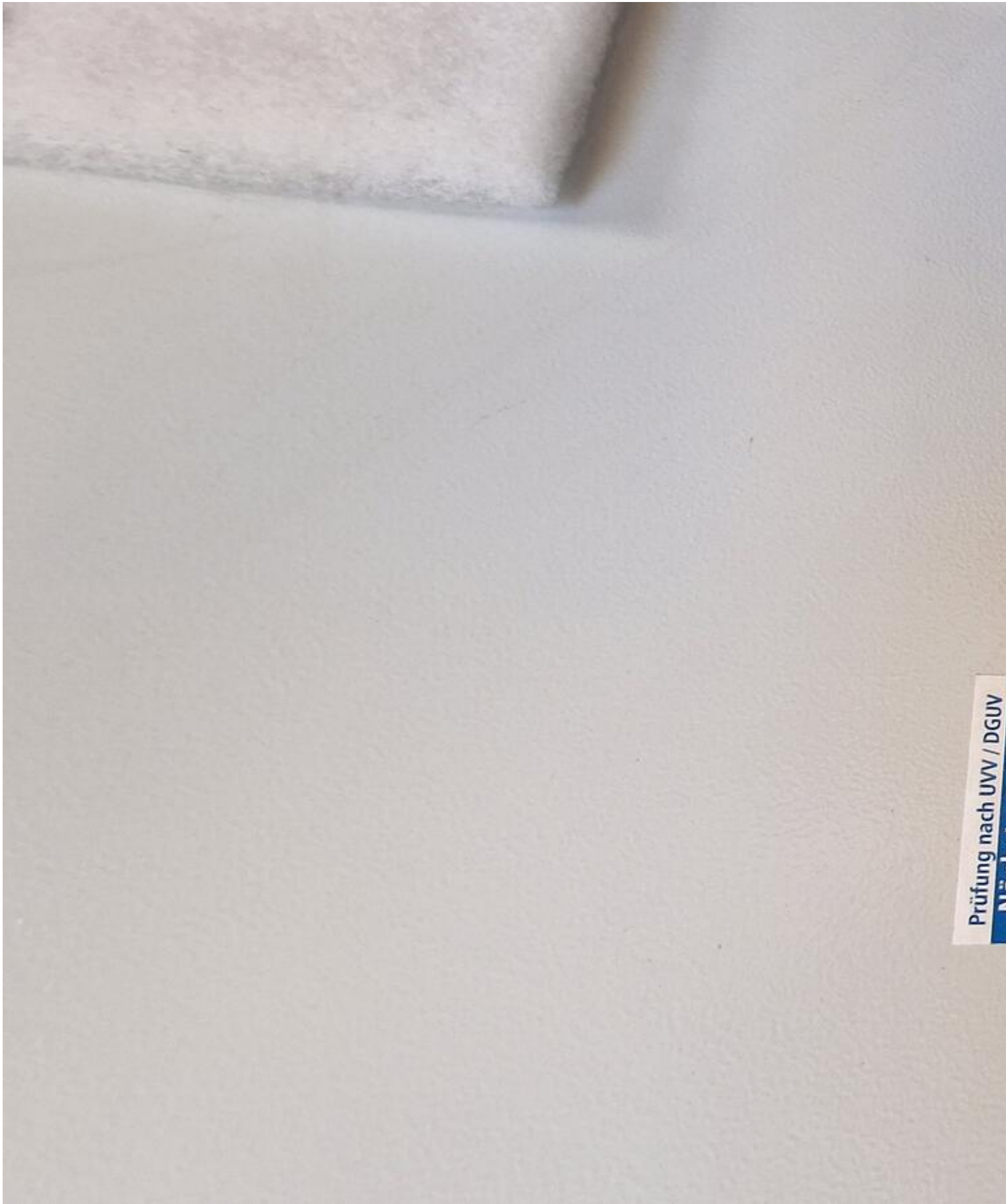
















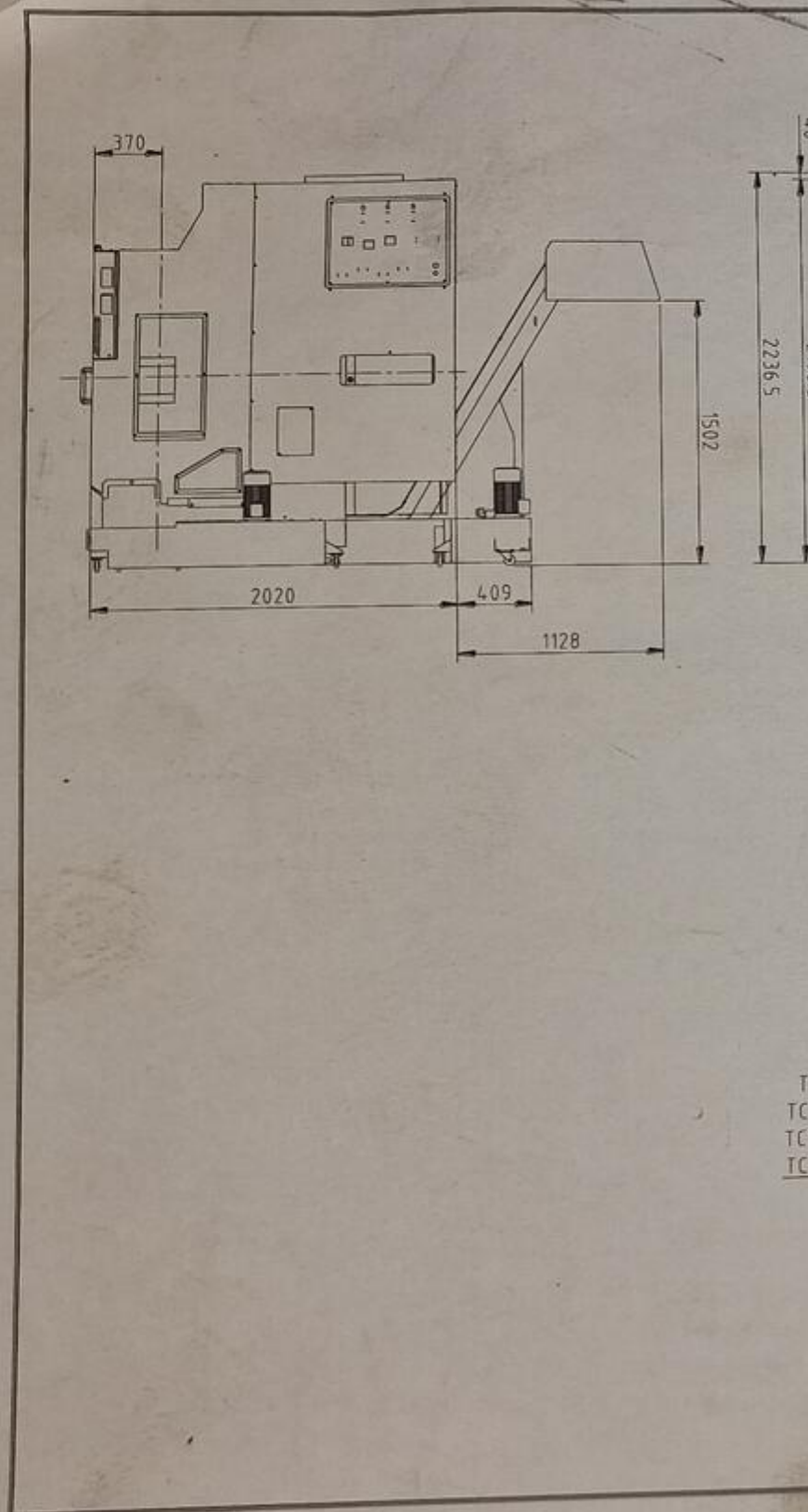
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Sold as:

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

VAT:

[19 %](#)

Buyers Premium:

[18 %](#)

Location:

Germany

## Images:









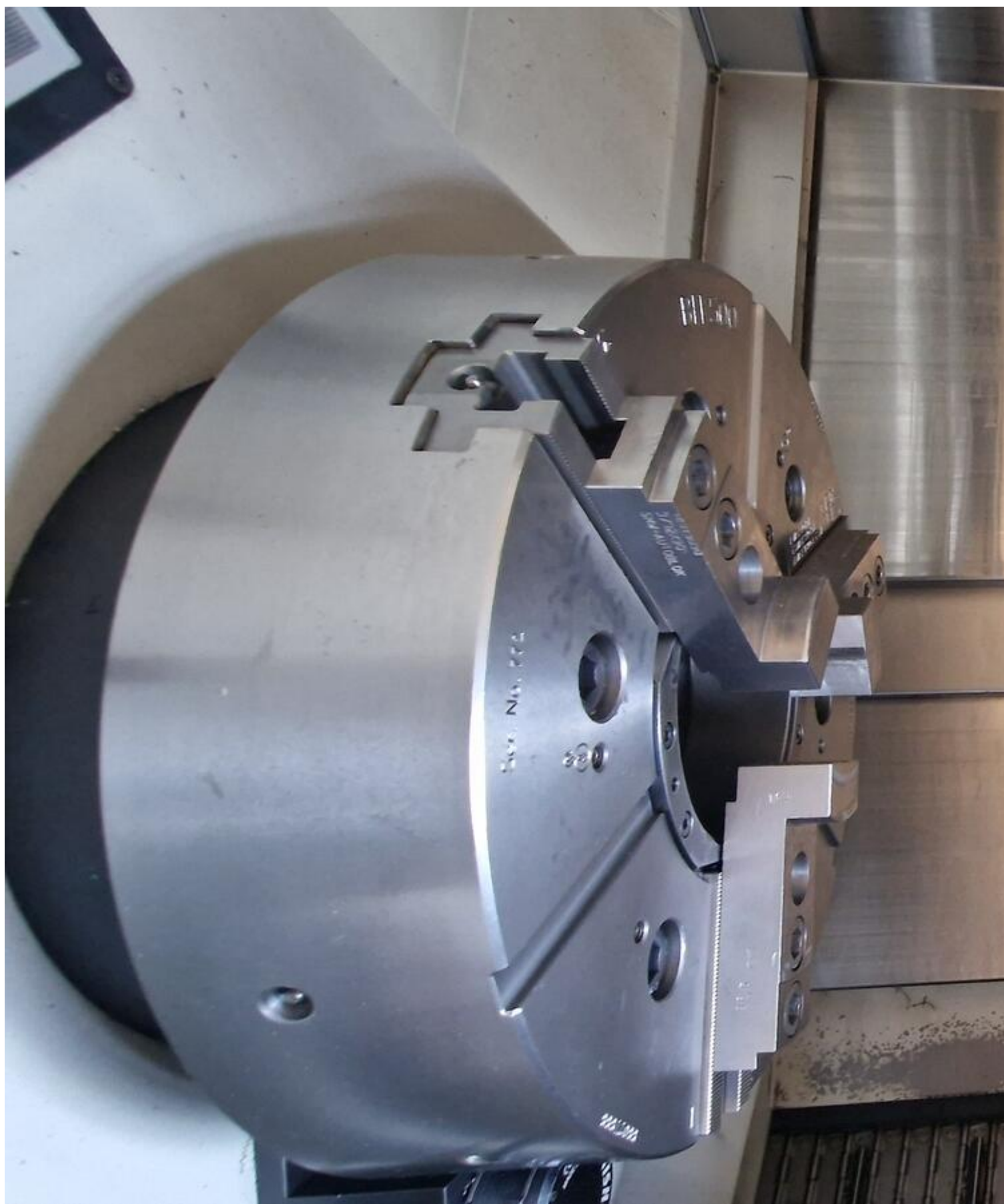














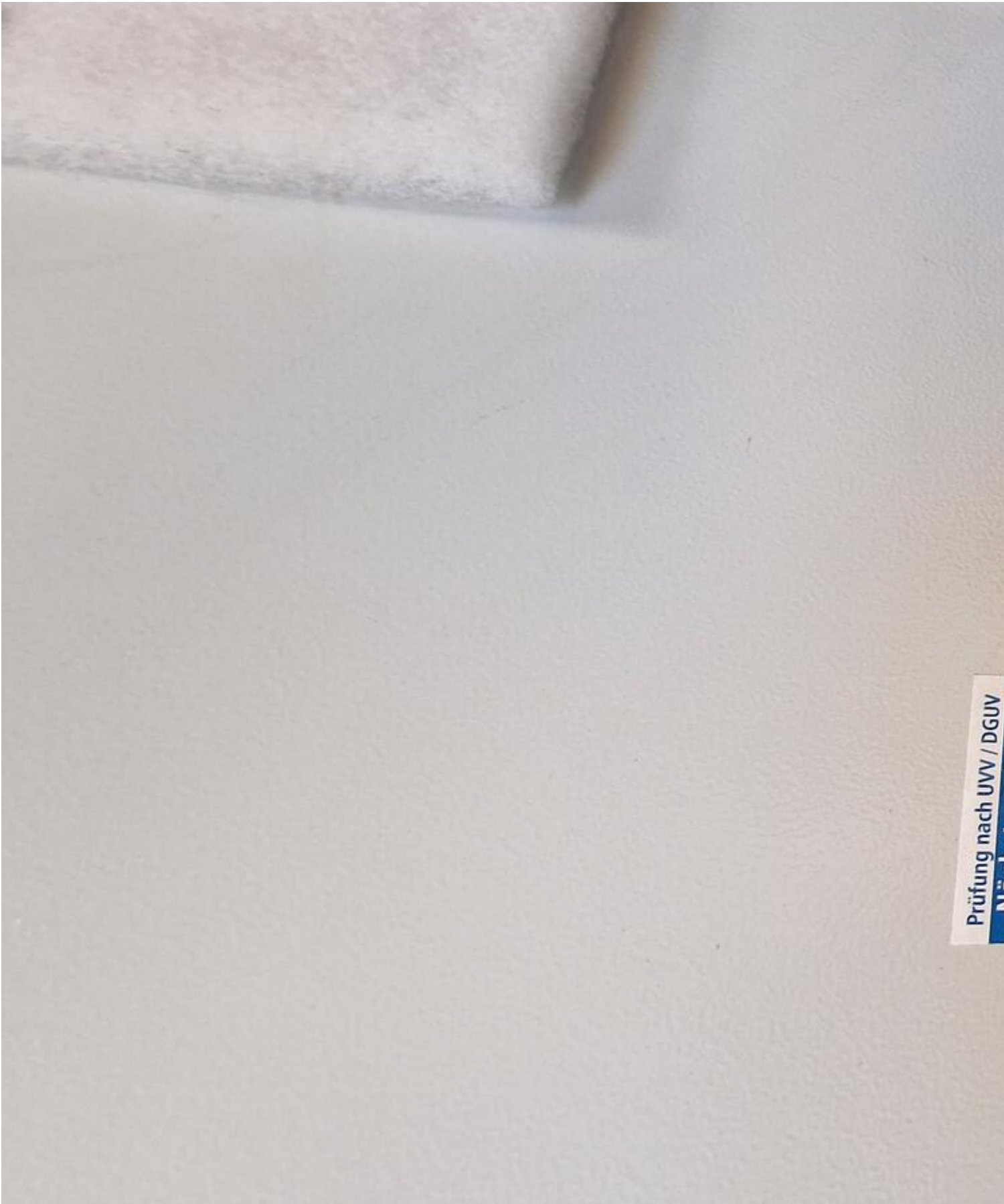














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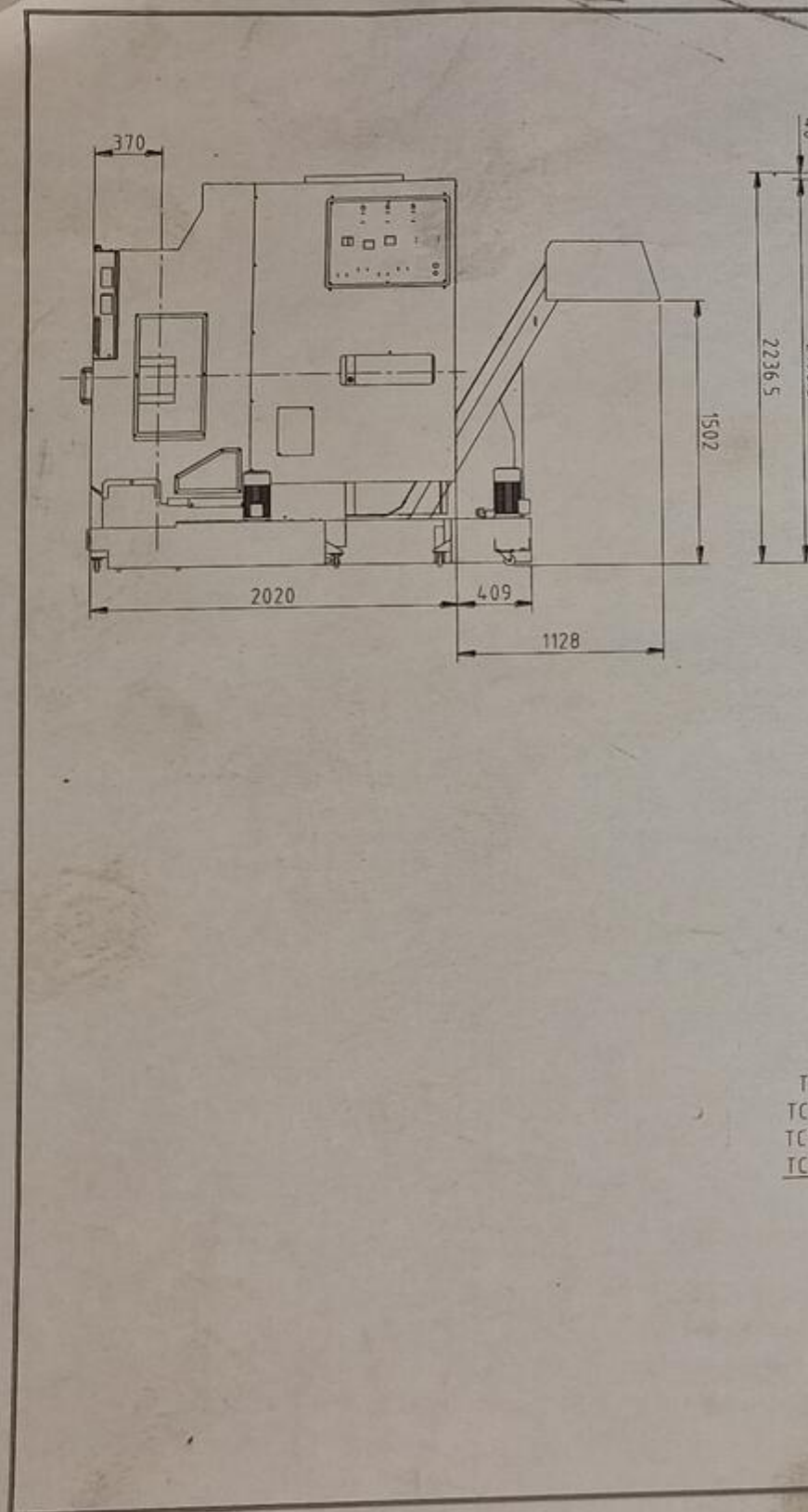
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