

# **NAKAMURA TW-10 CNC Drehmaschine**

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**INHALTSVERZEICHNIS**

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## 1. TECHNISCHE DATEN<sup>1</sup>

### General

Dimension:	2955 x 1901 x 1794 mm
Floor space:	2955 x 1901 mm
Maintenance area:	4510 x 3861 mm
Weight:	4600 kg
Noise level:	<80 Db

### Capacity

Max. bar size:	42 mm
Chuck diameter:	165 mm
Swing over slide cover:	210 mm
Standard turning diameter:	205 mm
Max. turning diameter:	210 mm
Max. turning length:	155 mm
Distance between L and R spindle noses:	870 mm
Distance between main spindle nose and turret face, Max:	295 mm
Distance between main spindle nose and turret face, Min:	95 mm
Turret force, X-Axis:	300 kg
Turret force, Z-Axis:	500 kg

### Main Spindle

Number of spindles:	2
Drive Motor:	5,5 kW
Speed Range:	5500 rpm
Number of spindle speeds:	Stepless
Spindle center height:	925 mm
Front bearing inner diameter:	80 mm
Spindle nose:	A2-5
Spindle support:	2 points
Hole through spindle:	52 mm
Hole through draw tube:	43 mm

### Saddle

Feed motors (X-Axis):	AC1.0 kW
Feed motors (Z-Axis):	AC2.8 kW
Effective slide travel (X-Axis):	185 mm

<sup>1 1</sup> Für die Richtigkeit, Vollständigkeit und Aktualität der Angaben übernehmen wir keine Gewähr

Effective slide travel (Z-Axis):	200 mm
Rapid traverse (X-Axis):	12 m/min
Rapid traverse (Z-Axis):	36 m/min
Cutting Feed (X-Axis):	0.0001 to 500 mm/rev
Cutting Feed (Z-Axis):	0.0001 to 500 mm/rev
Jog Feed (X-Axis):	0-1260 m/min
Jog Feed (Z-Axis):	0-1260 m/min
Ball screw diameter (X-Axis):	32 mm
Ball screw diameter (Z-Axis):	32 mm
Ball screw pitch (X-Axis):	6 mm
Ball screw pitch (Z-Axis):	12 mm
Distance between slides (X-Axis):	220 mm
Distance between slides (Z-Axis):	300 mm

## **Turret**

Number of turret heads:	2
Turret head type:	12 position polygon
No. of tool stations:	12
Turret head outside diameter:	330 mm
Turret thickness:	80 mm
Tooling clearance:	555 mm
Tool Size:	20, 25 mm
I.D. turning tool mounting bore diameter:	25 mm
Turret clamping force:	4 T
Turret index drive:	Index Motor
Turret index / positioning mechanism:	Curvic Coupling (180 mm diameter)

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## **Lubrication unit**

Pump Motor:	0,005 kW
Pump Delivery:	3,5 / 4,2 cc/4min
Tank Capacity:	4,6 L
Distribution:	Proportional

## **Coolant unit**

Pump Motor:	0,18 kW
Pump Delivery:	50/67 L/min
Tank Capacity:	170 L

## **Hydraulic Unit**

Pump Motor:	2,2 kW
Pump Delivery:	25 + 25 L/min
Tank Capacity:	55 L
Max. Delivery Pressure:	35 kg/cm <sup>3</sup>

## **Power Requirements**

Power Supply:

200 / 220 VAC  
59,0 kVA  
Power-Up: 65,0 kVA

Pneumatic Supply:

0,5 to 0,7 MPa  
150 to 200 L/min

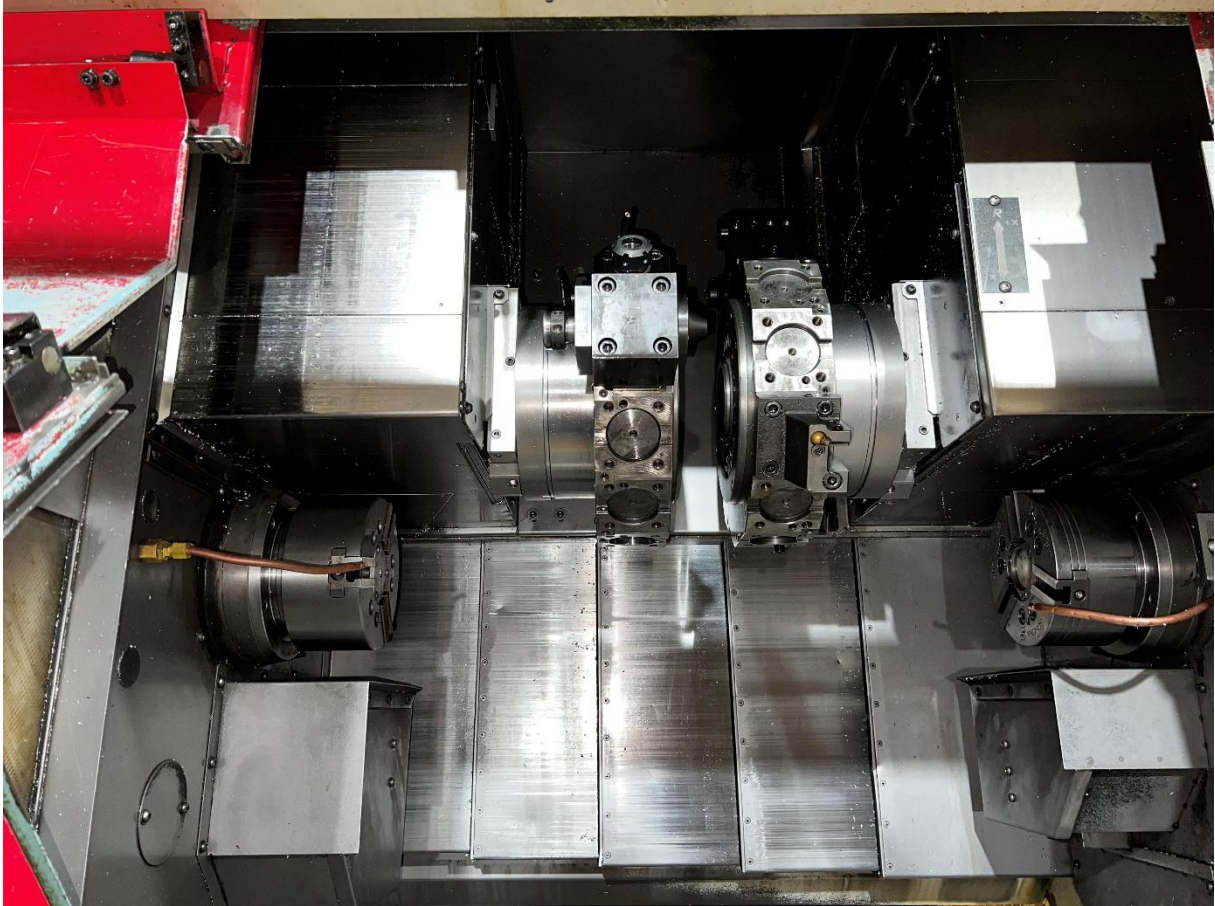
## 2. FOTOS DER MASCHINE



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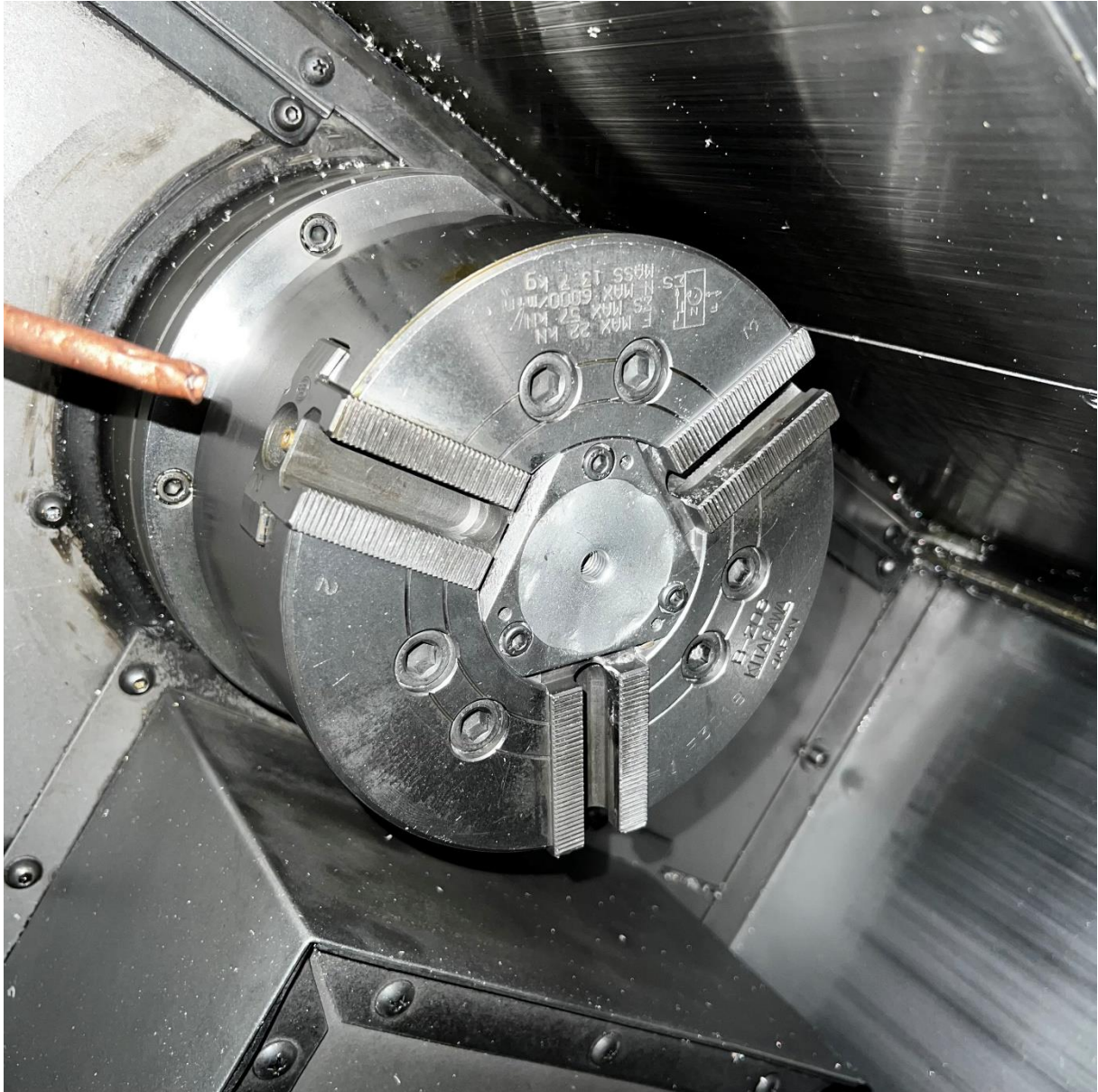


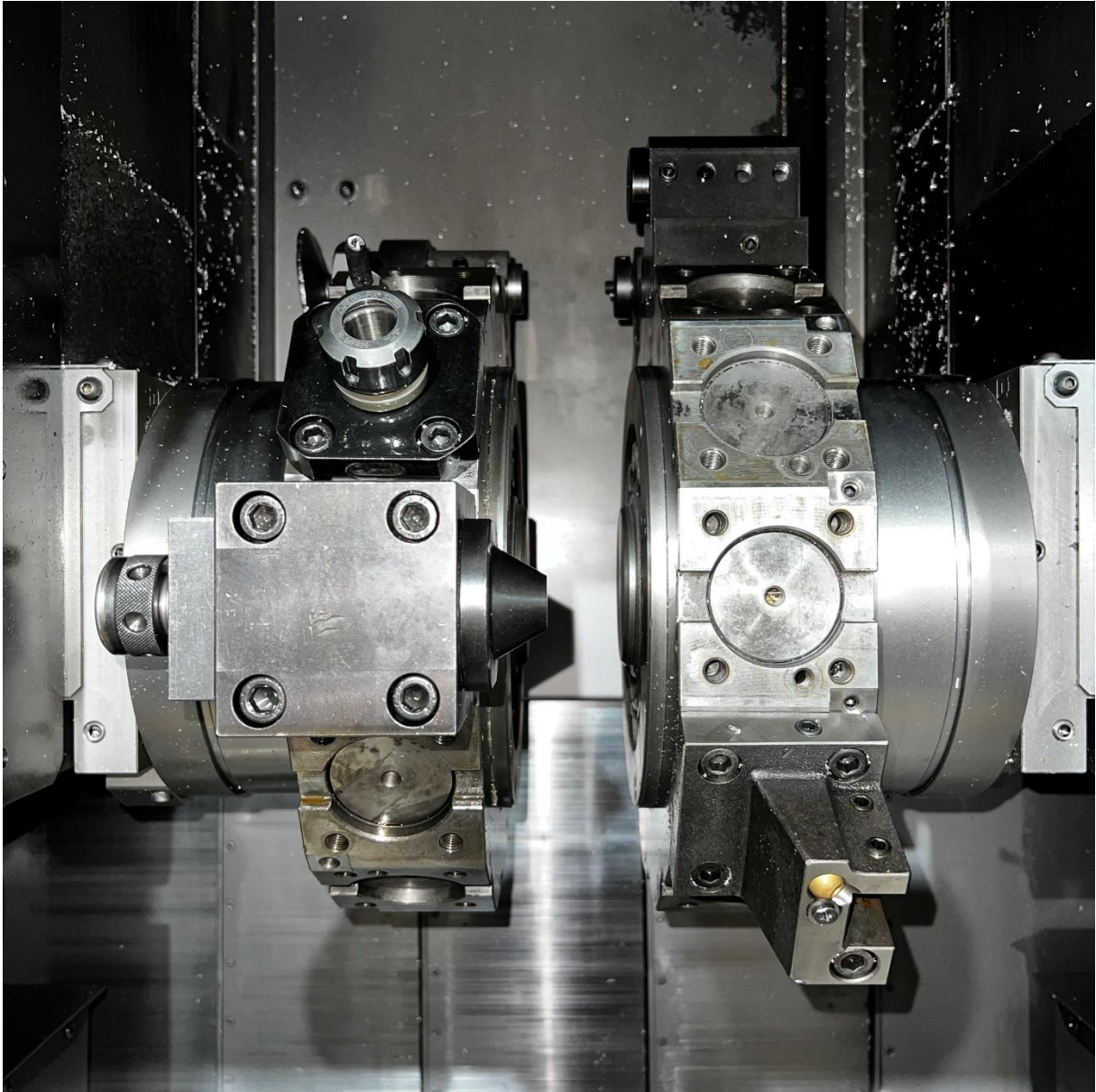


















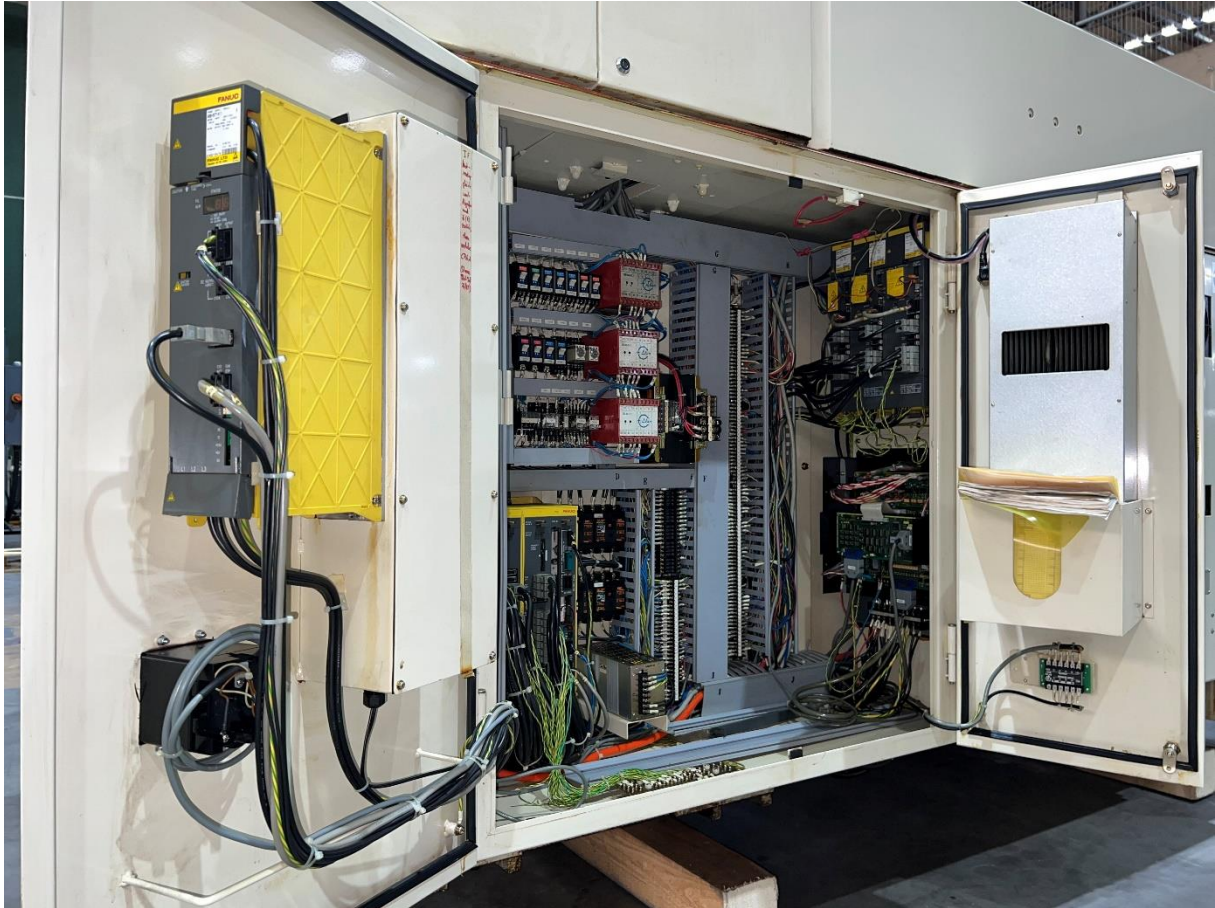






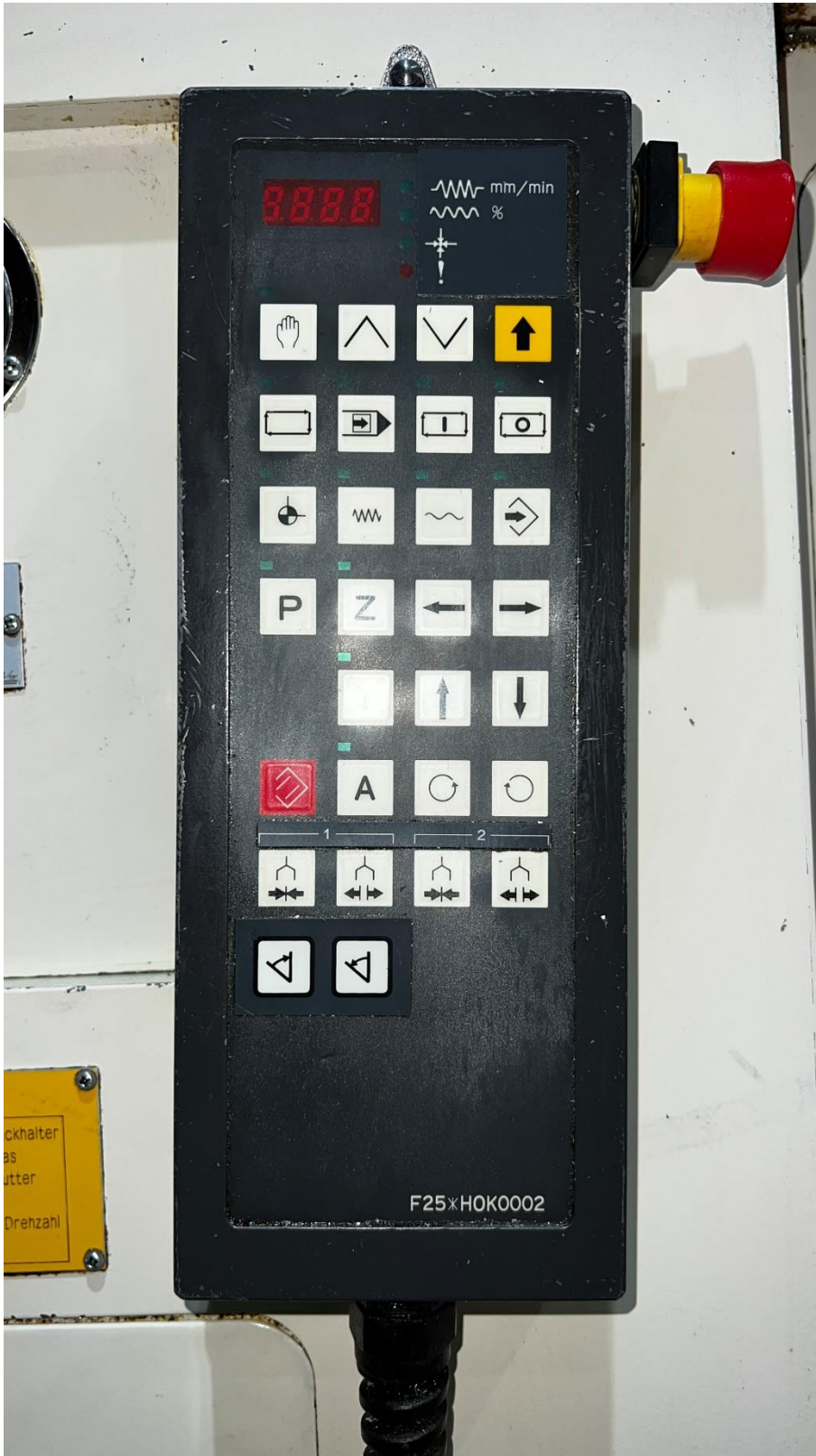
















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