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Ref. No.:

413-04051242

## **Overview and Technical Data:**

# **KLINGELNBERG - Oerlikon L 60 A Lapping Machine**

**[KLINGELNBERG](#)**



Year of Build:  
Jan 2007

## **Description:**

# **Used KLINGELNBERG Oerlikon L60A for spiral and hypoid bevel gears**

- Only 360 hours
- Fanuc control
- Machining diameter: max. 500mm
- Working length:
  - Y-axis: 150 - 350mm
  - Z-axis: 120 - 340mm
- 2 spindles
- A-Axis for 79° to 101°
- Power: 4.8 kw
- Tool: inner cone No. 39
- Spindle speed
  - Gear: 0 - 4000 rpm
  - Pinion: 0 - 3000rpm.

The machine has about 360 hours and was set in 2007/08 for production of a few prototypes, never run in serial operation and is thus almost in new condition.

---

Using the proven horizontal spindle concept of its predecessors, axis have cleverly been rearranged using the innovative cross-sledge design providing optimal functionality and process capability, without compromises regarding floor space requirement and accessibility. Special attention was given to housekeeping requirements to ensure a clean machine environment without compromising on

full accessibility.

- Fully integrated auxiliary units
- No hydraulic unit
- Spillage free lapping compound change
- High rpm spin-off cycle

The machine has been designed in such a way, that all operational tasks; loading, unloading and exchange of lapping compound can be performed from the front face of the machine, giving full freedom to factory layouts.

Special attention was given while designing the layout of the machine to ensure that not only the

actual floor space was taken into consideration but that the passive floor space requirements were minimized as well therefore allowing a closer arrangement of machines, minimizing both nonproductive areas and operating distances.

## Technical Data:

## Technical Data:

Control:

[FANUC](#)

Machine Hours:

360

## Dimensions and Weight:

Weight:

6.500 kg

## Buyer Information:

Condition:

[Like New](#)

Available:

[Sold](#)

Sold as:

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

VAT:

[19 %](#)

Buyers Premium:

[15 %](#)

Location:

Germany

## Images:



1



2







**KLINGELNBERG**

**L 60 A**





# L60: PROGRAM CONTROL DATA PART 1 (BASE DATA)

File View Info

## Gear data

Ident-No. **00134300** Part family **10 / 00** LHRH **RH** Pinion No. of teeth **13** Diameter **95.000**  
Description **MITEC VARIANTE B5/1 06.12.07** Gear No. of teeth **43** Diameter **200.000**

## General Data - part 1

Serial-No. **1.** Consec-No. **00000039** Ratio-detection  Ratio-detection  Runout check incl. Clamps release AUT  Pinion  Gear

### Meshing

Pinion rotating  
Go into mesh attempts **3**  
Travel to mesh **10.000**  
Backlash axial **0.140**

### Backlash setting

Tightest BL

### Time settings

Cycle target (sec.) **300.0**  
Parts per hour target **1**

### Runout check

ON  
Tolerance pinion **0.060**  
Tolerance gear **0.080**  
No. of meas. points **36**

### Retract mode

standing  
 rotating, coast flank  
Torque **1.0**

Lapp cyc. used as test cyc.   
Nbr. of passes **8**

### Nick detection

ON  
Nick tolerance

### Spin-off

Pinion RPM  
Ring gear RPM  
Time (sec.)

### Acceleration Decel

Ring gear torque

Count range: 0 ... 99999999

EXTR-P OK->CNC ROP



### Klingelberg AG

Turbinenstrasse 17  
CH-8005 Zurich  
Switzerland

TYP  MASCH-NR

STROMART  FREQUENZ  HZ

NETZSPANNUNG  V

NENNSTROM  A

NENNWERT DER SICHERUNGEN  
IN DER ZULEITUNG

FLINK  A

TRAGE  A

STEUERSPANNUNG  V-

V-

DOKUMENTENVERZEICHNIS

BAUJAHR



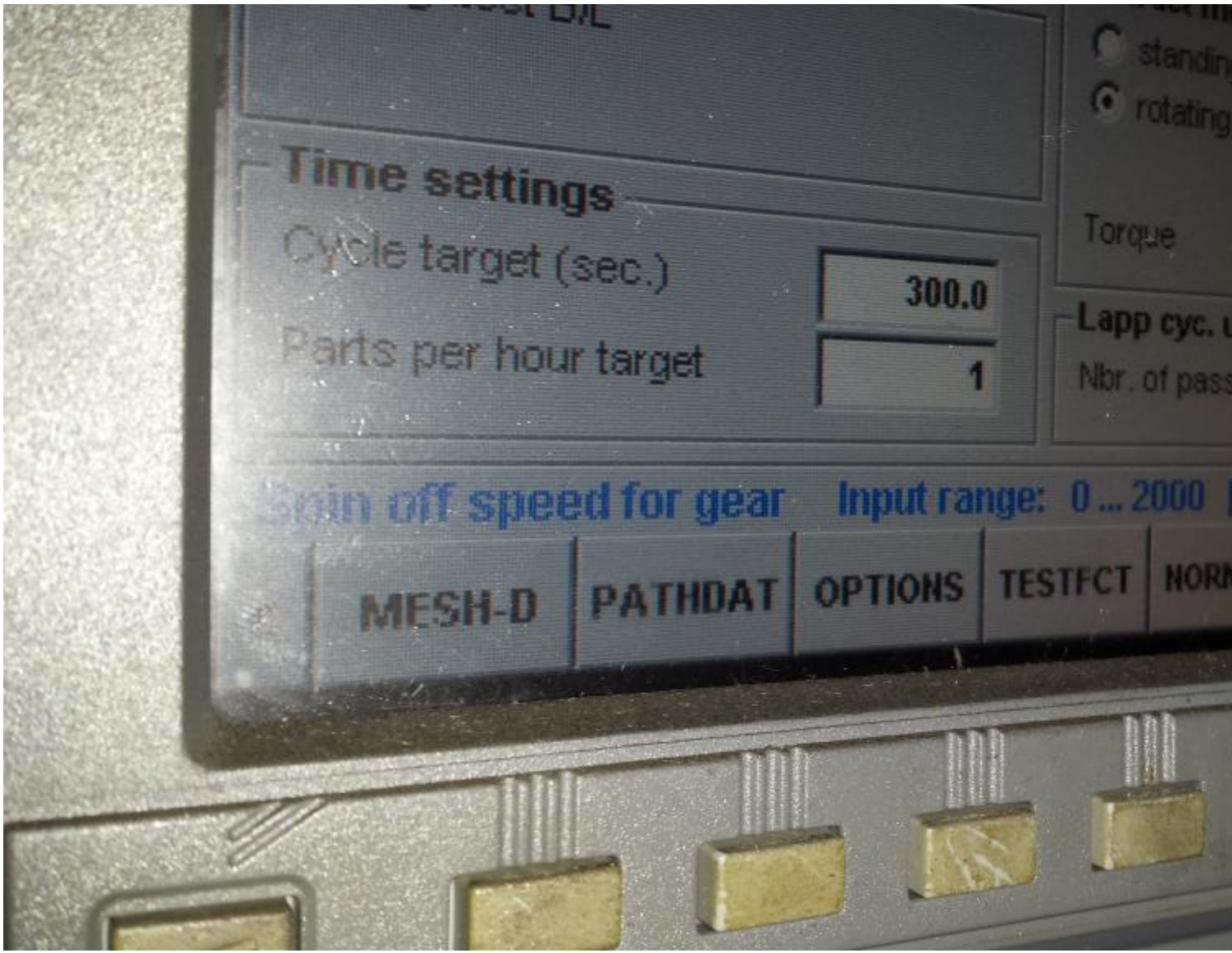
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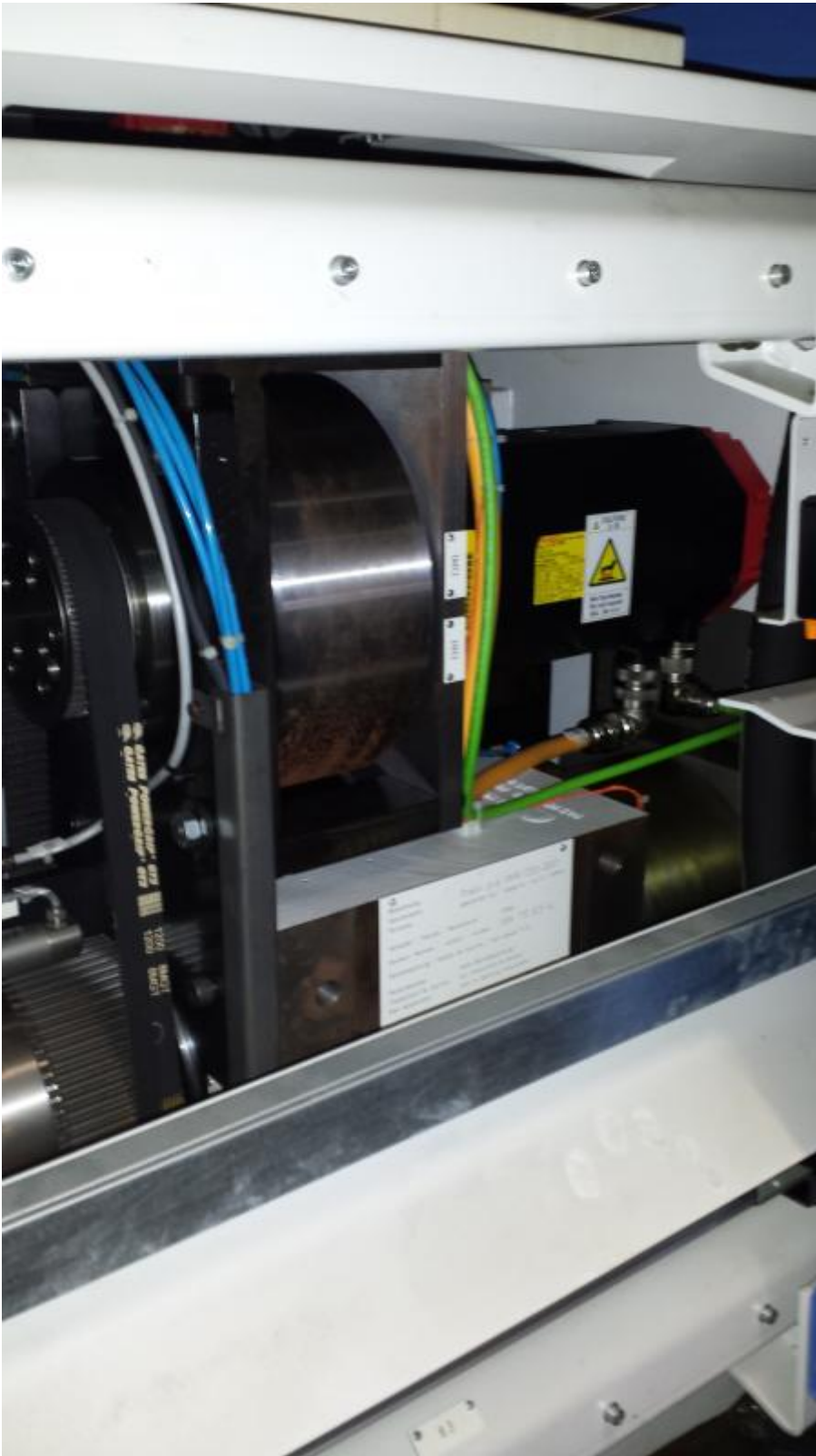


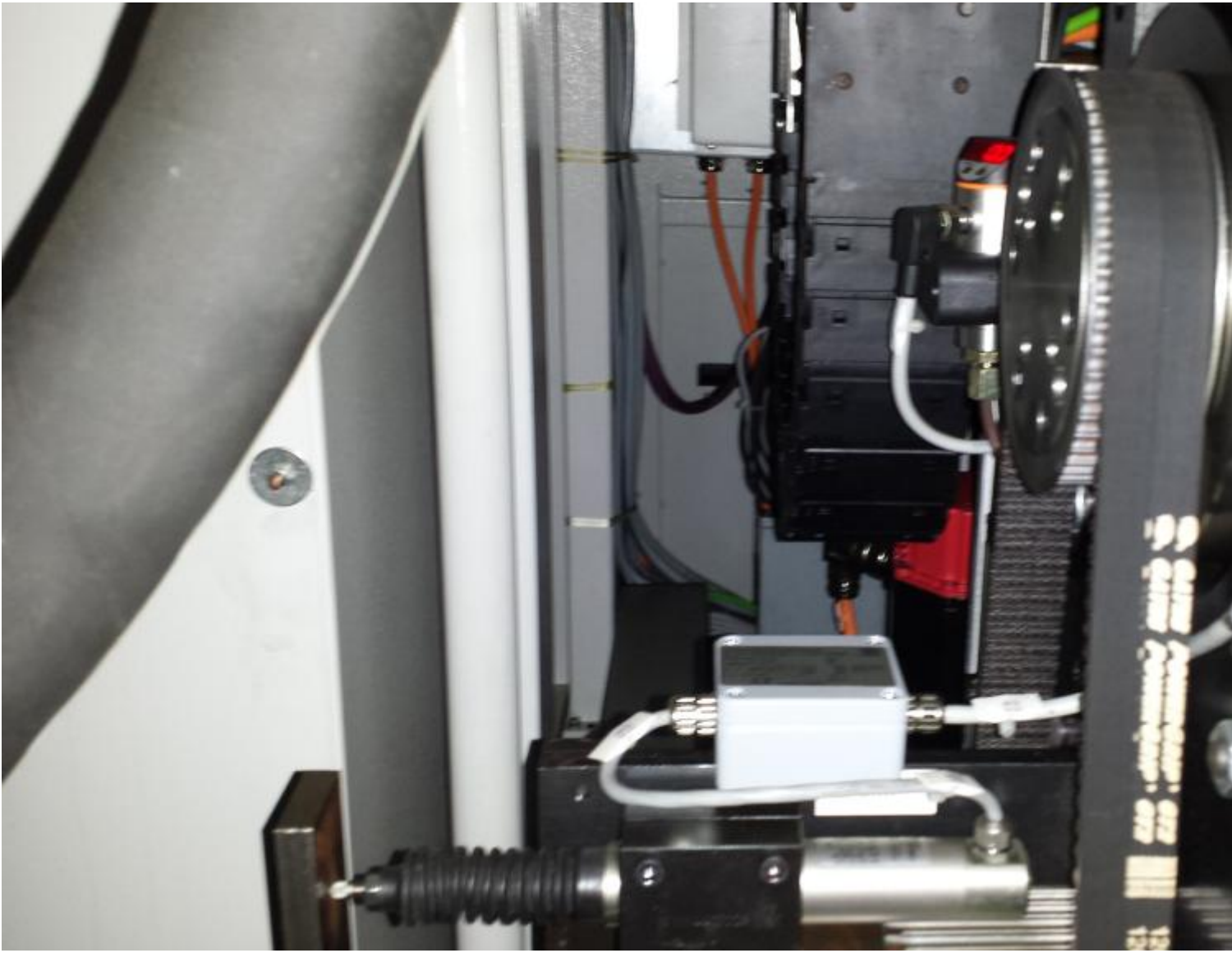




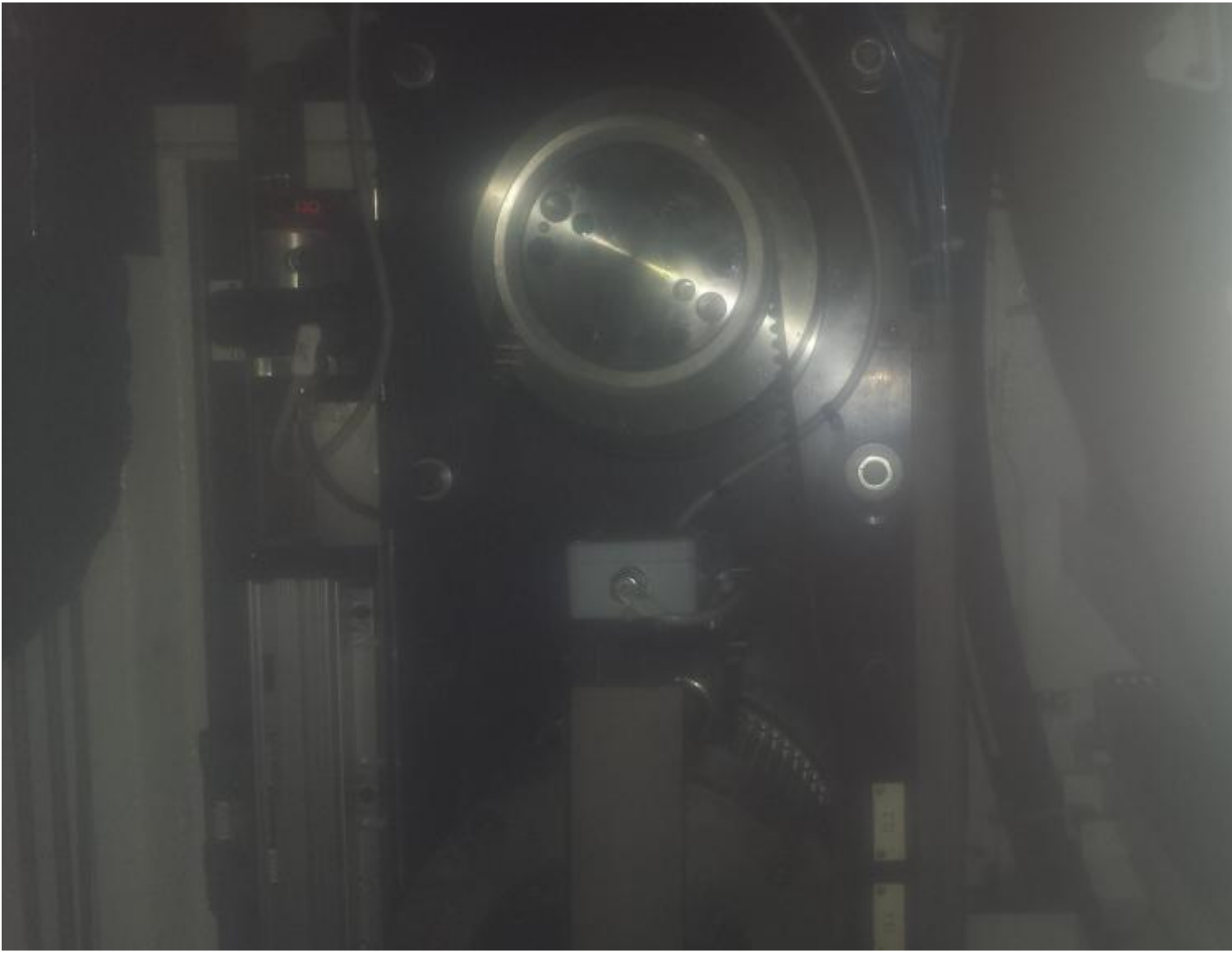




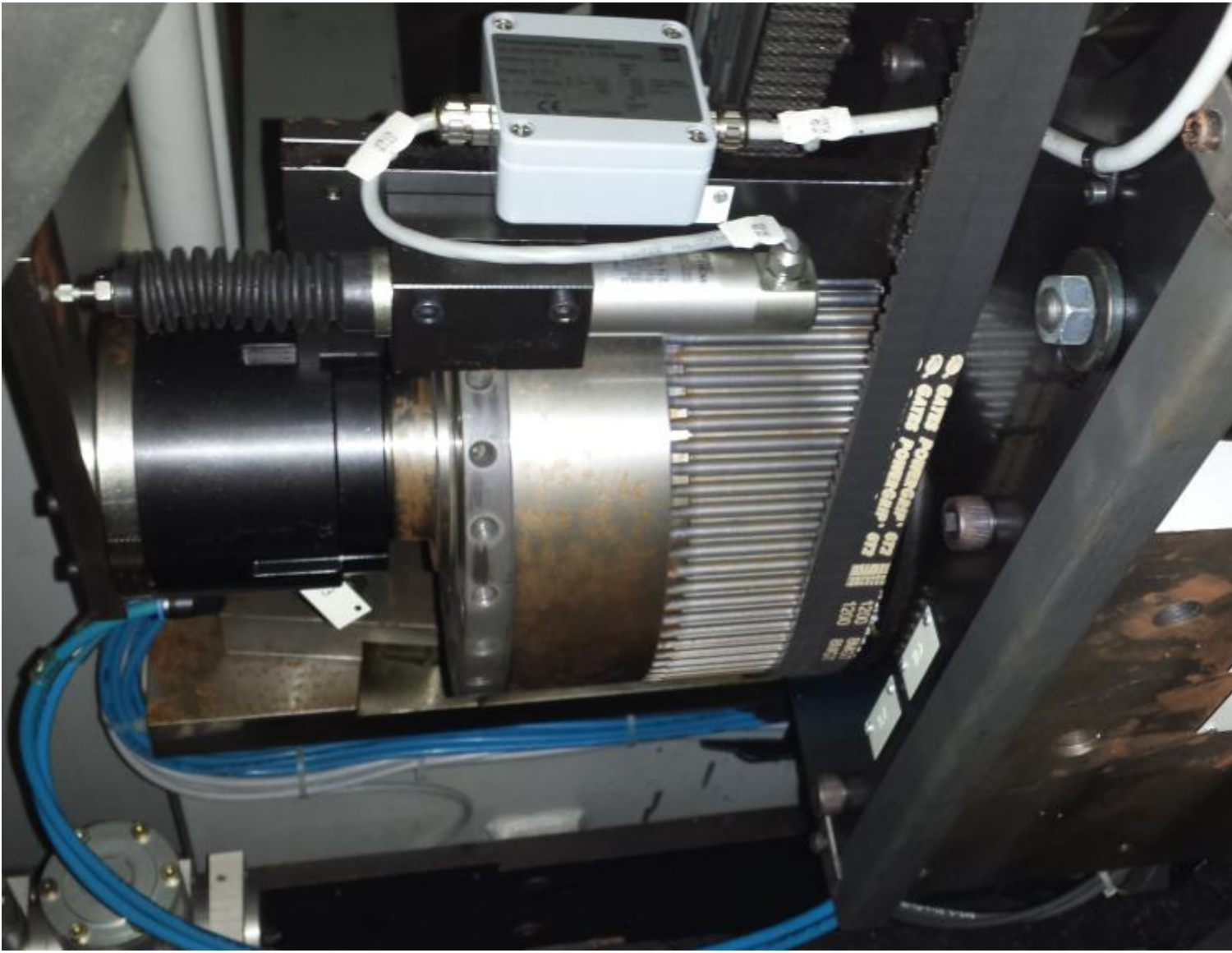


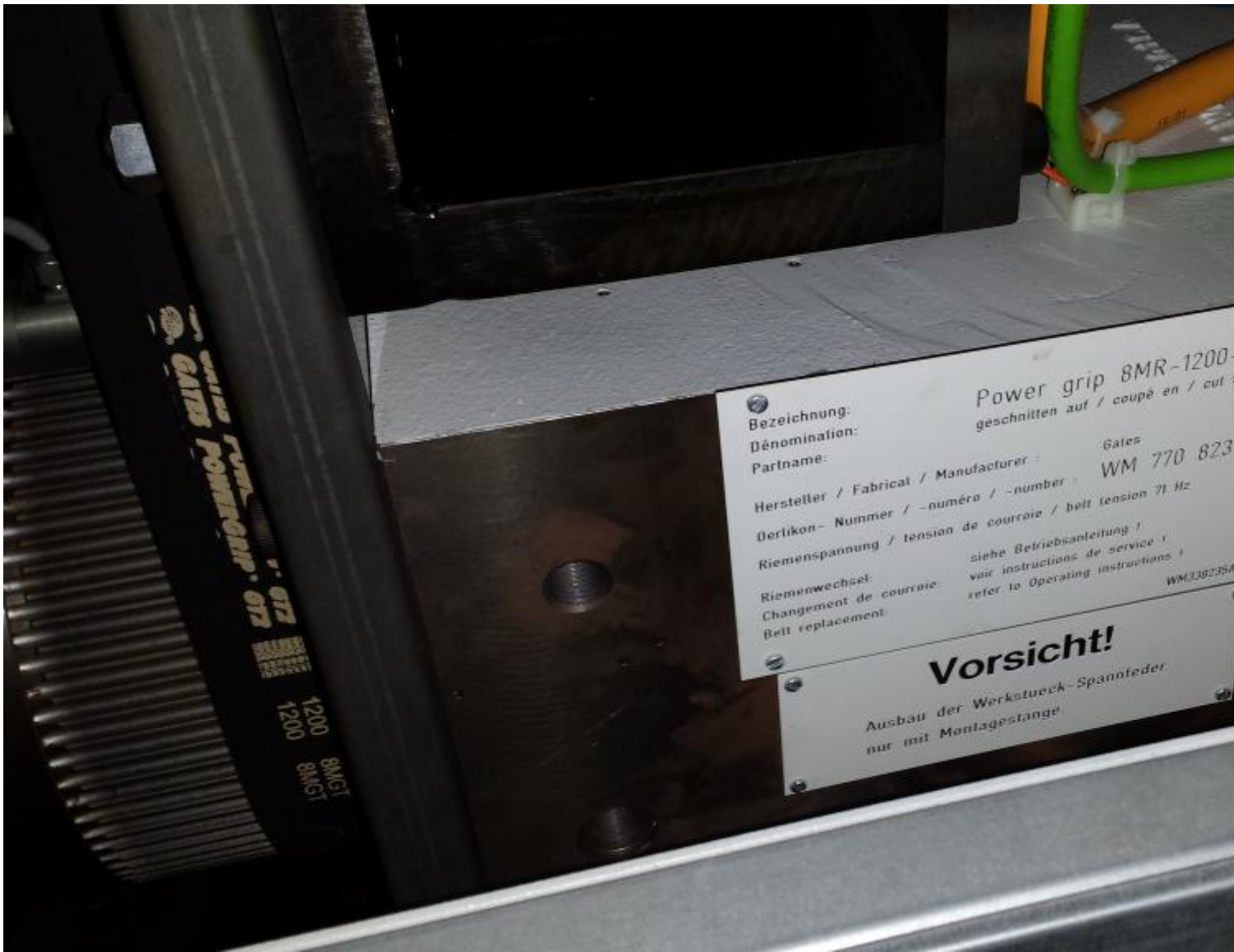


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Video:





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Germany

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

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Germany

## Images:



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3





**KLINGELBERG**

**L 60 A**





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File View Info

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Description	MITEC VARIANTE B5/1 06.12.07					Gear	No. of teeth	43	Diameter	200.000

## General Data - part 1

Serial-No.	1.	Consec-No.	00000039	<b>Ratio-detection</b>	<input type="checkbox"/> Ratio-detection	<b>Clamps release AUT</b>	<input type="checkbox"/> Pinion
					<input type="checkbox"/> Runout check incl.		<input type="checkbox"/> Gear

## Meshing

<input type="checkbox"/> Pinion rotating	
Go into mesh attempts	3
Travel to mesh	10.000
Backlash axial	0.140

## Backlash setting

Tightest BL

## Time settings

Cycle target (sec.)	300.0
Parts per hour target	1

## Runout check

<input type="checkbox"/> ON	
Tolerance pinion	0.060
Tolerance gear	0.080
No. of meas. points	36

## Retract mode

<input type="radio"/> standing	
<input checked="" type="radio"/> rotating, coast flank	
Torque	1.0

## Lapp cyc. used as test cyc.

Nbr. of passes	8
----------------	---

## Nick detection

<input type="checkbox"/> ON	
Nick tolerance	

## Spin-off

Pinion RPM	
Ring gear RPM	
Time (sec.)	

## Acceleration Decel

Ring gear torque

Count range: 0 ... 99999999

EXTR-P OK->CNC STOP



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CH-8005 Zurich  
Switzerland

TYP  MASCH-NR

STROMART  FREQUENZ  HZ

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NENNSTROM  A

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V-

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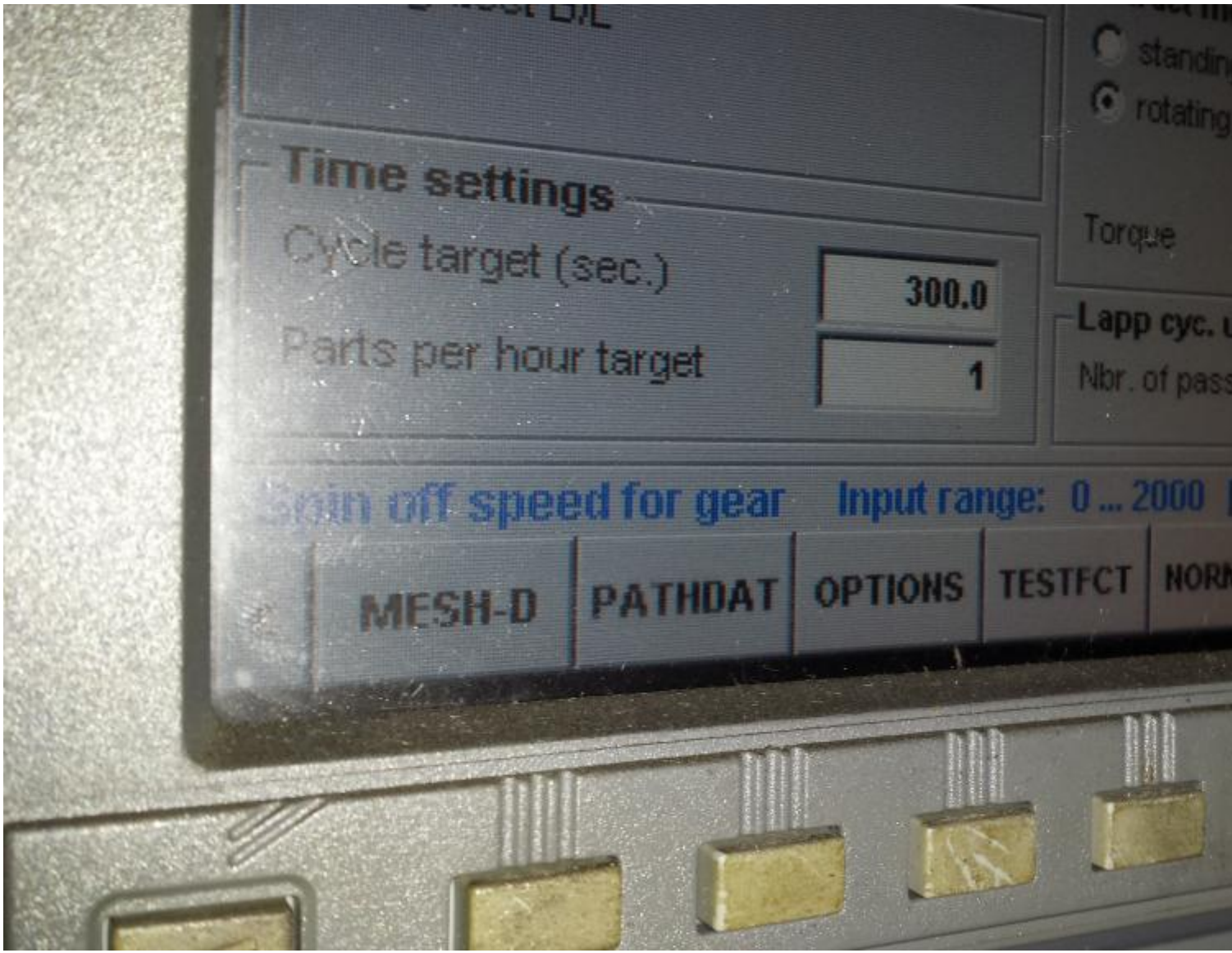
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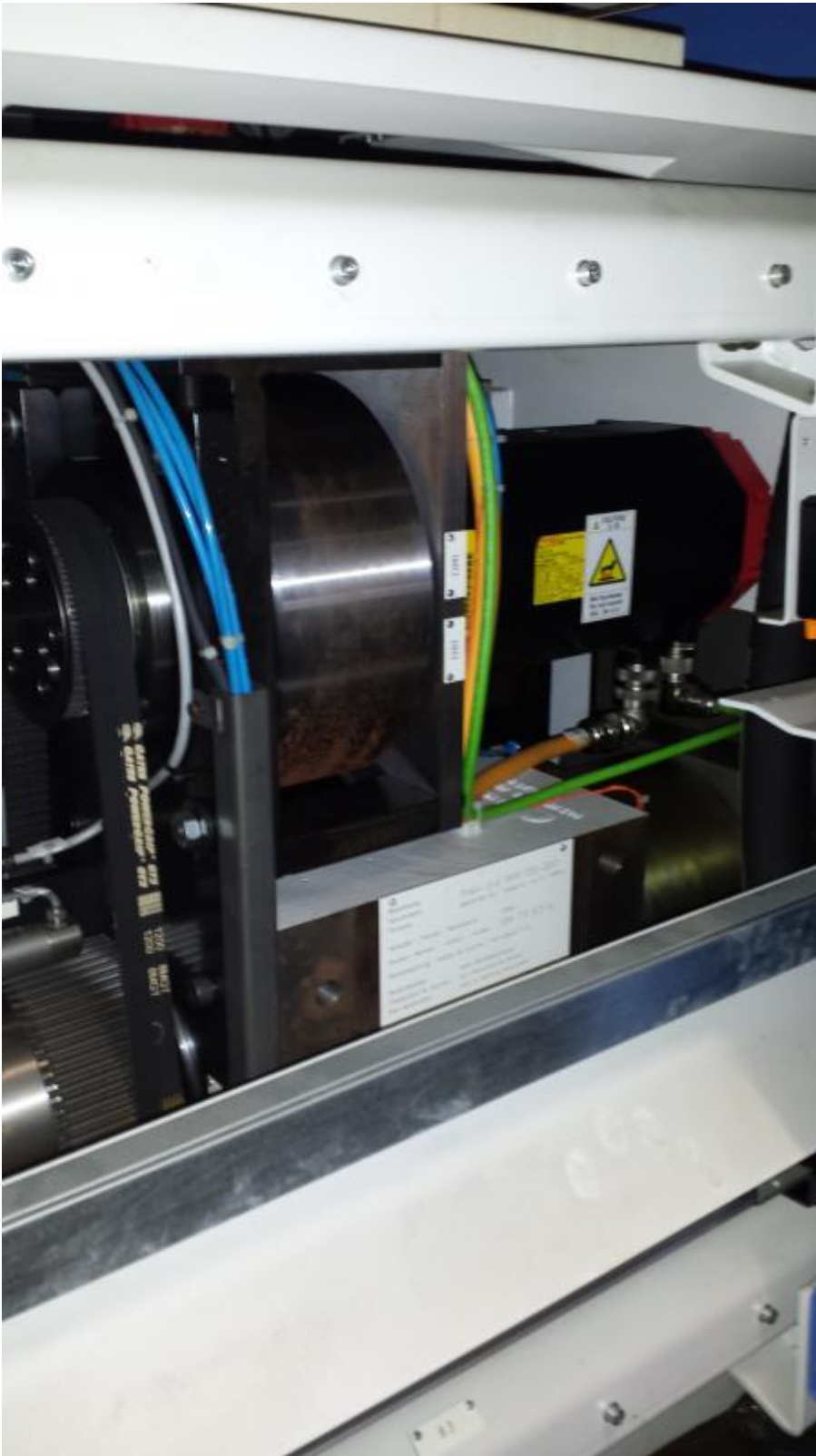


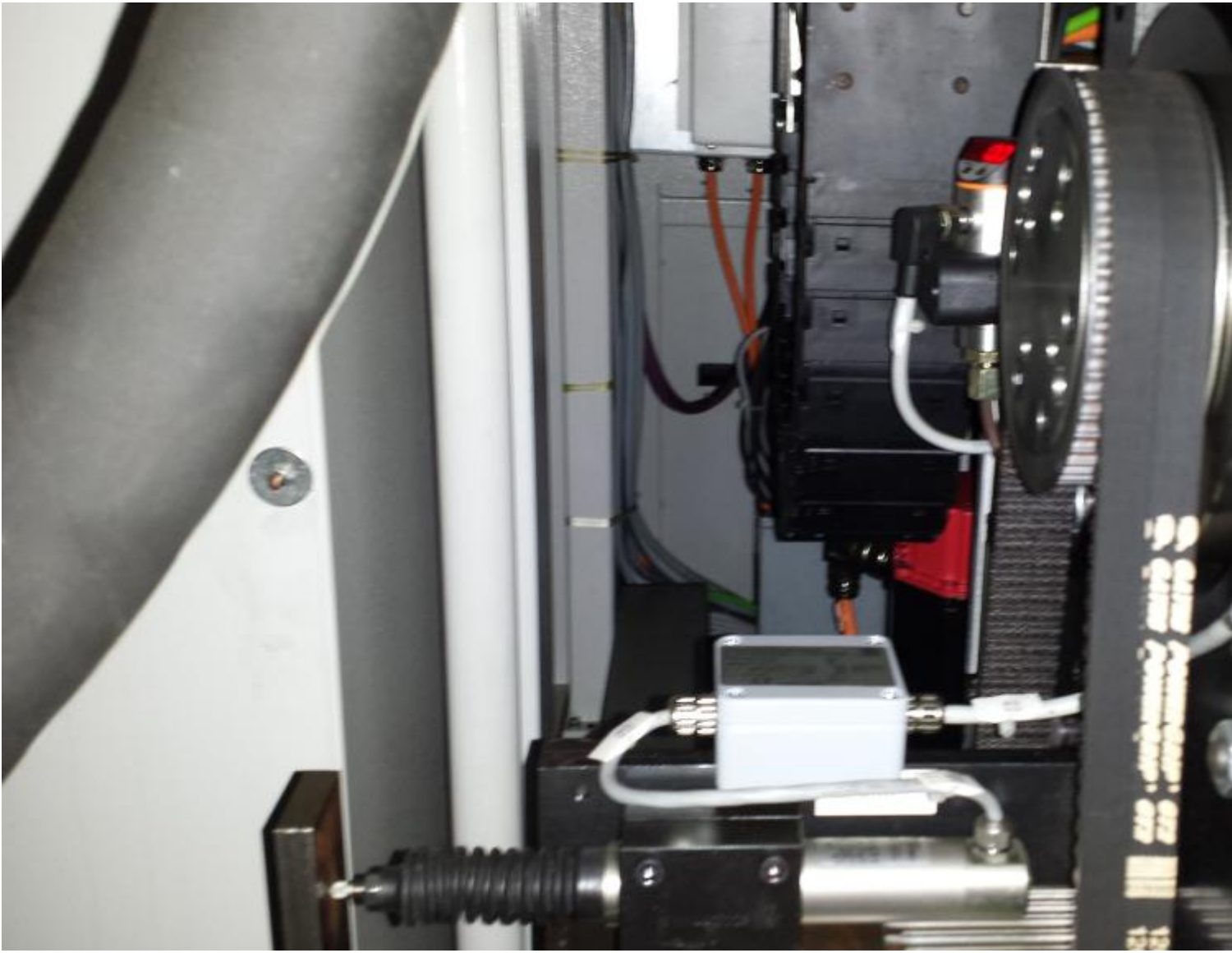




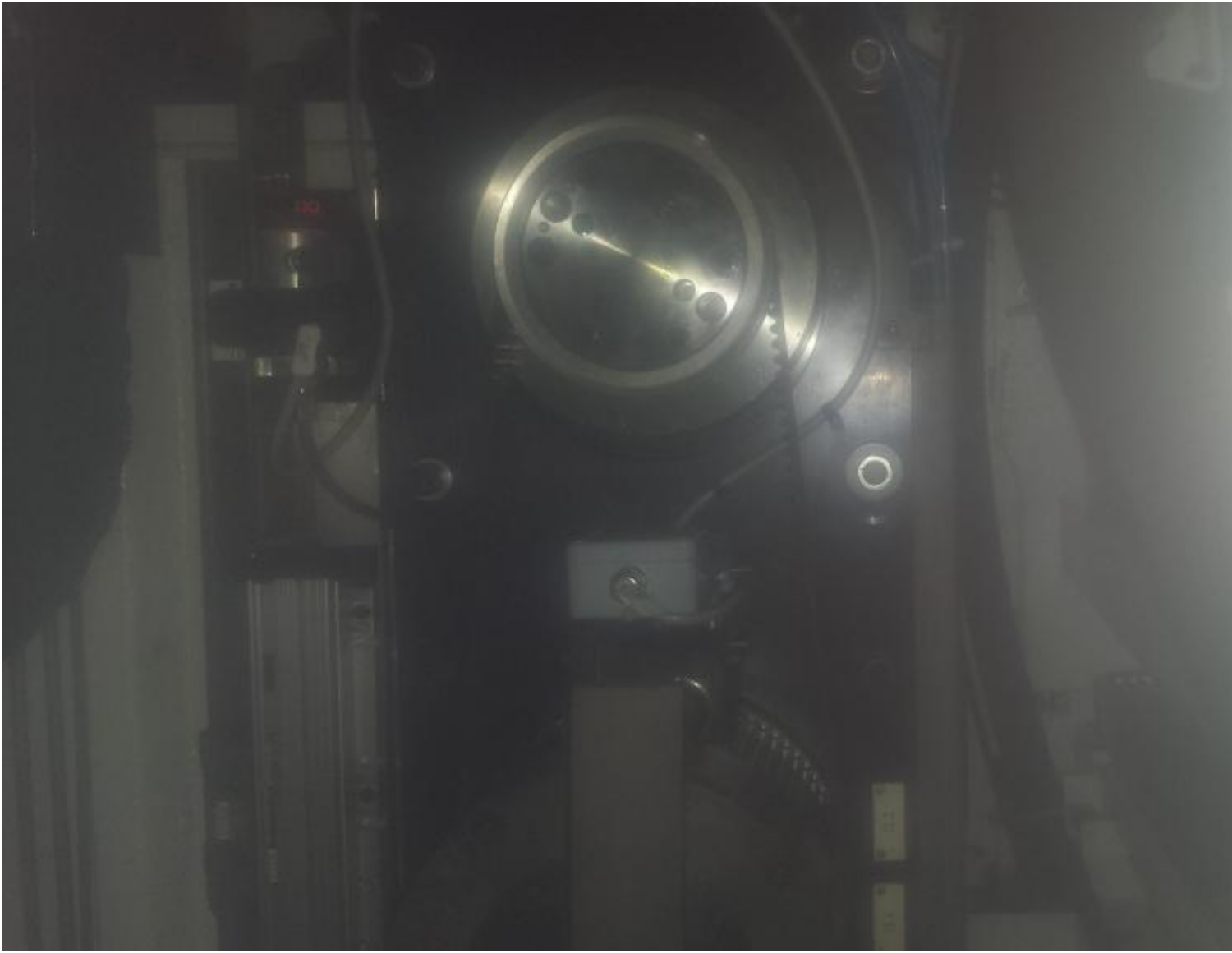




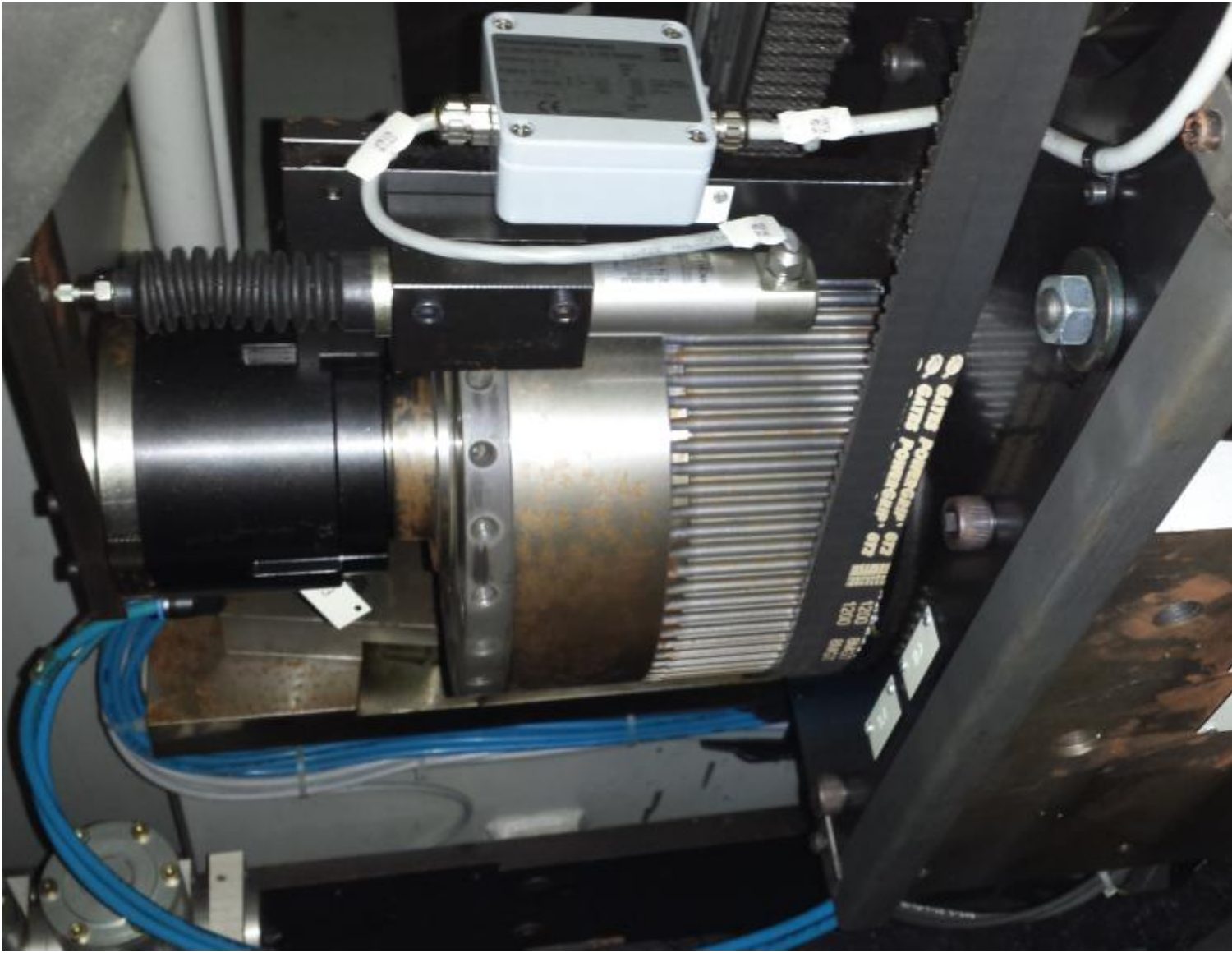


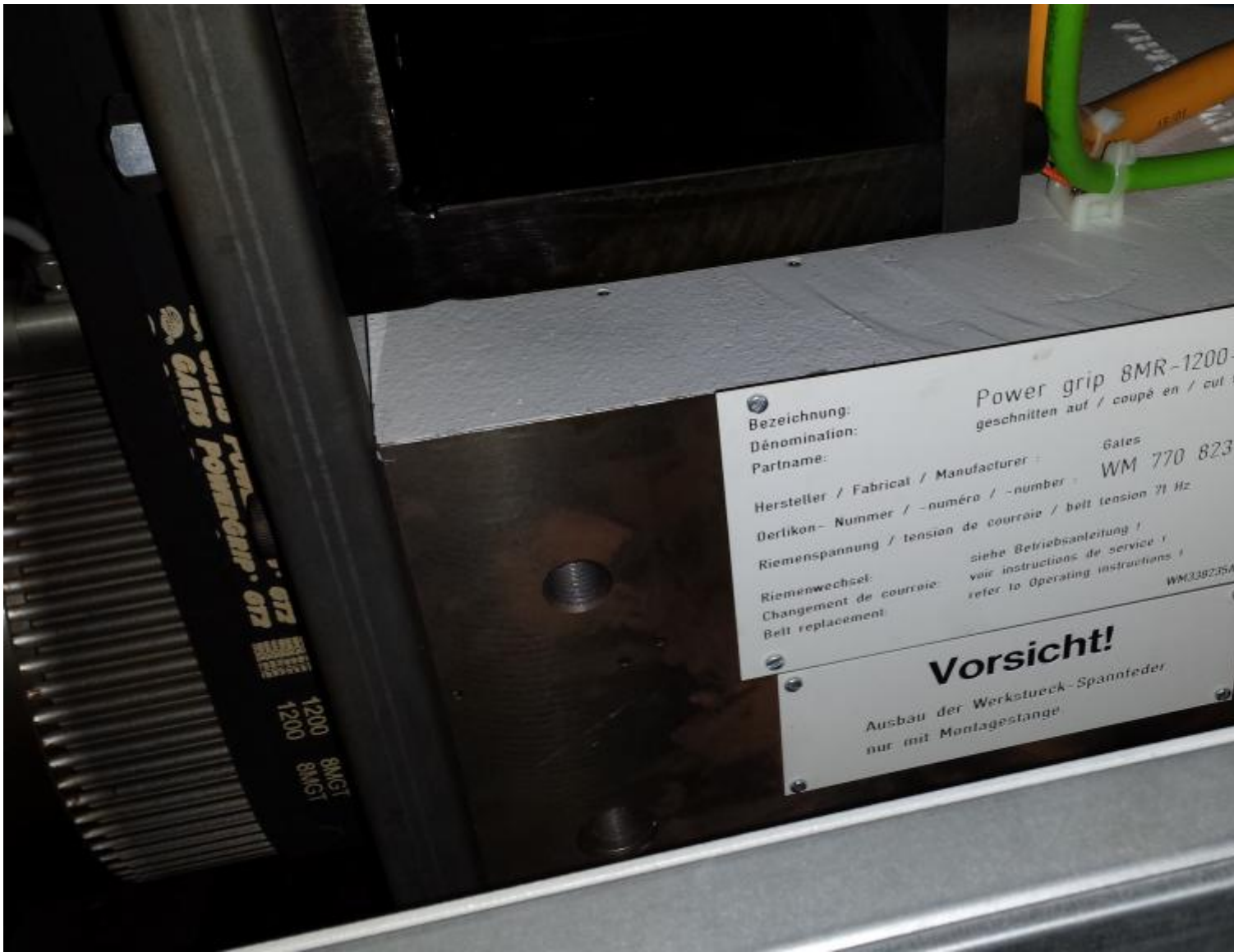


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