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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 %](#)

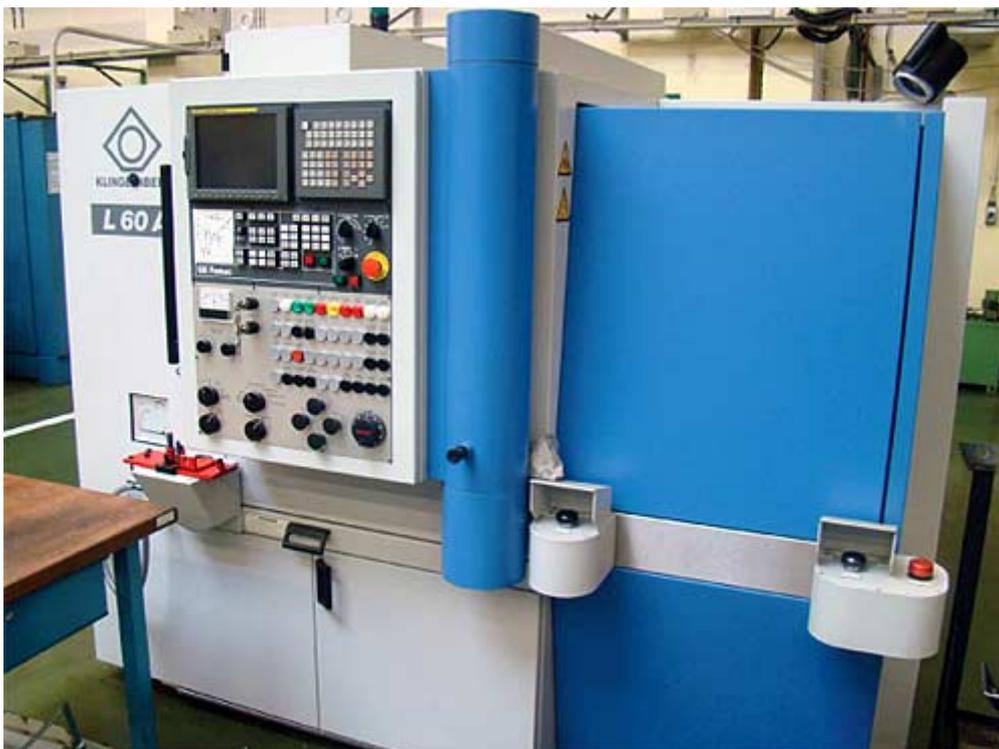
Buyers Premium:

[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



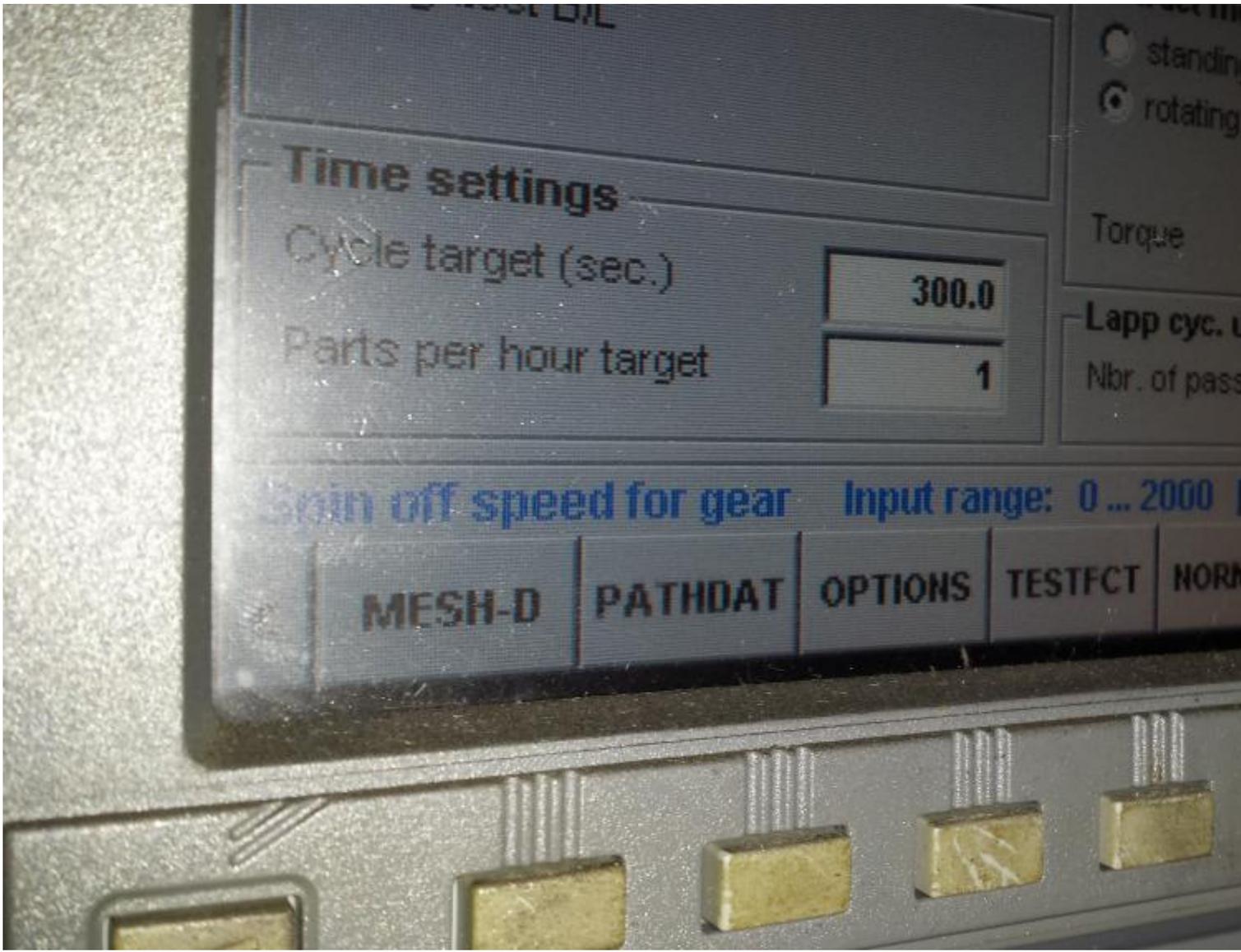
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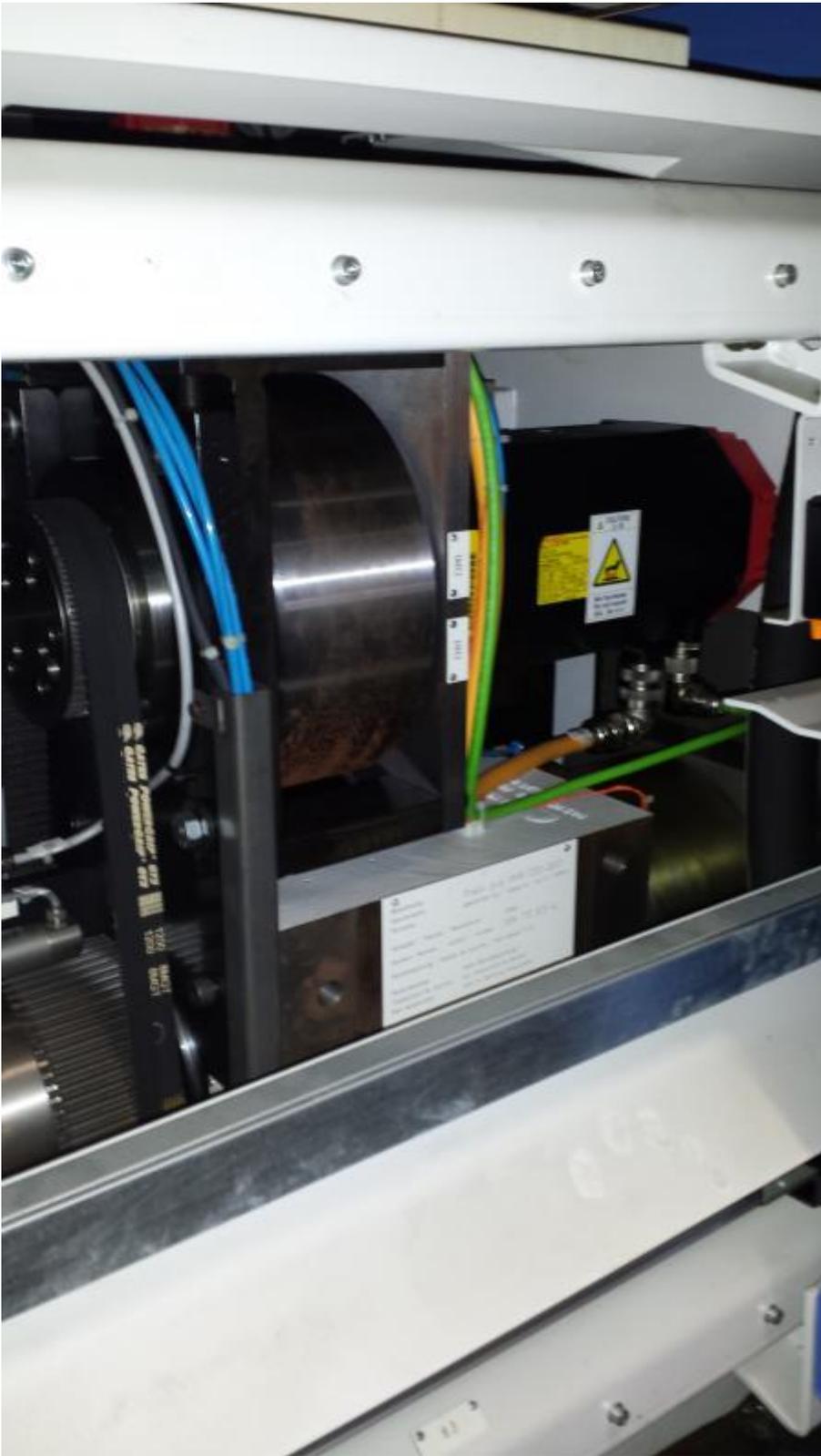




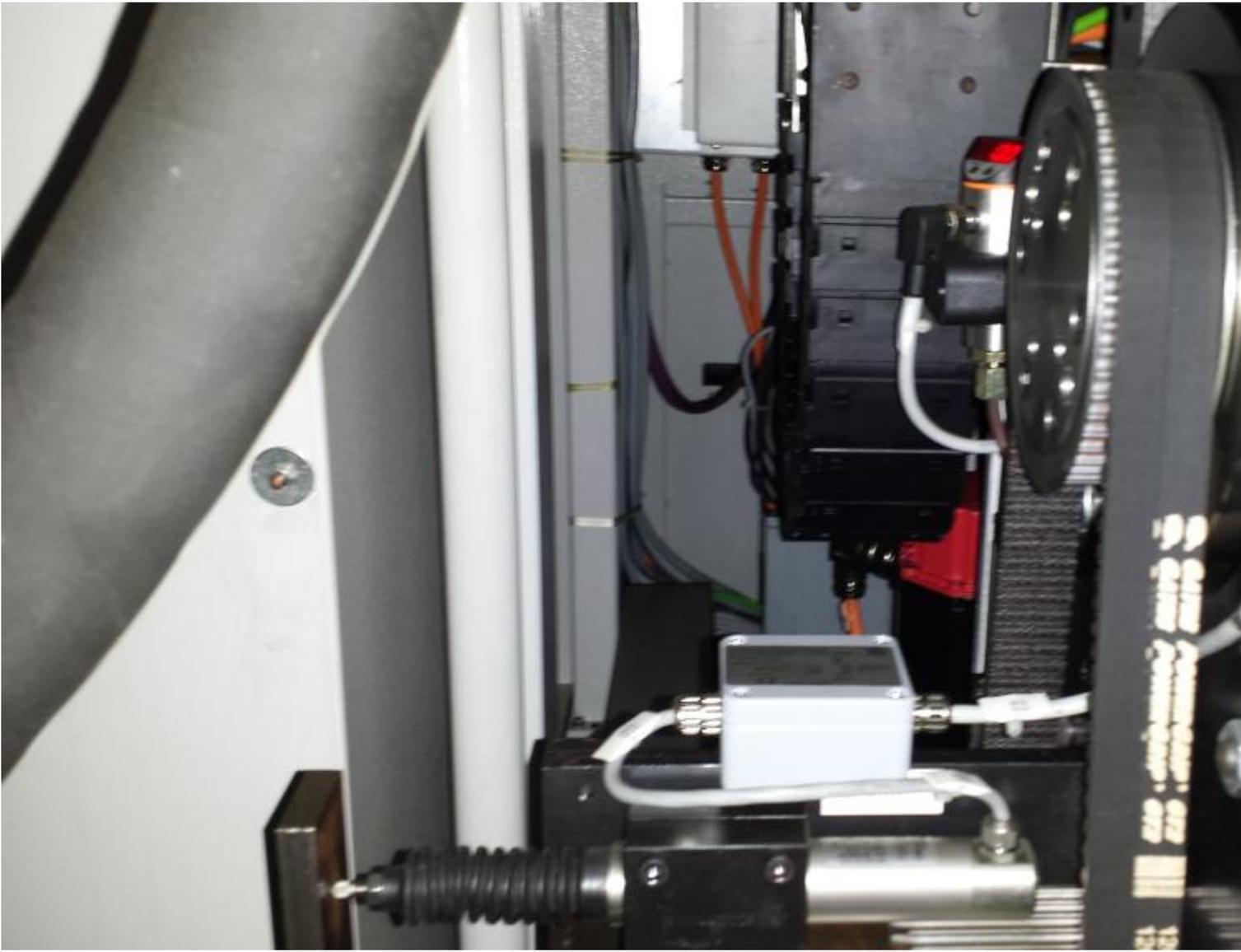




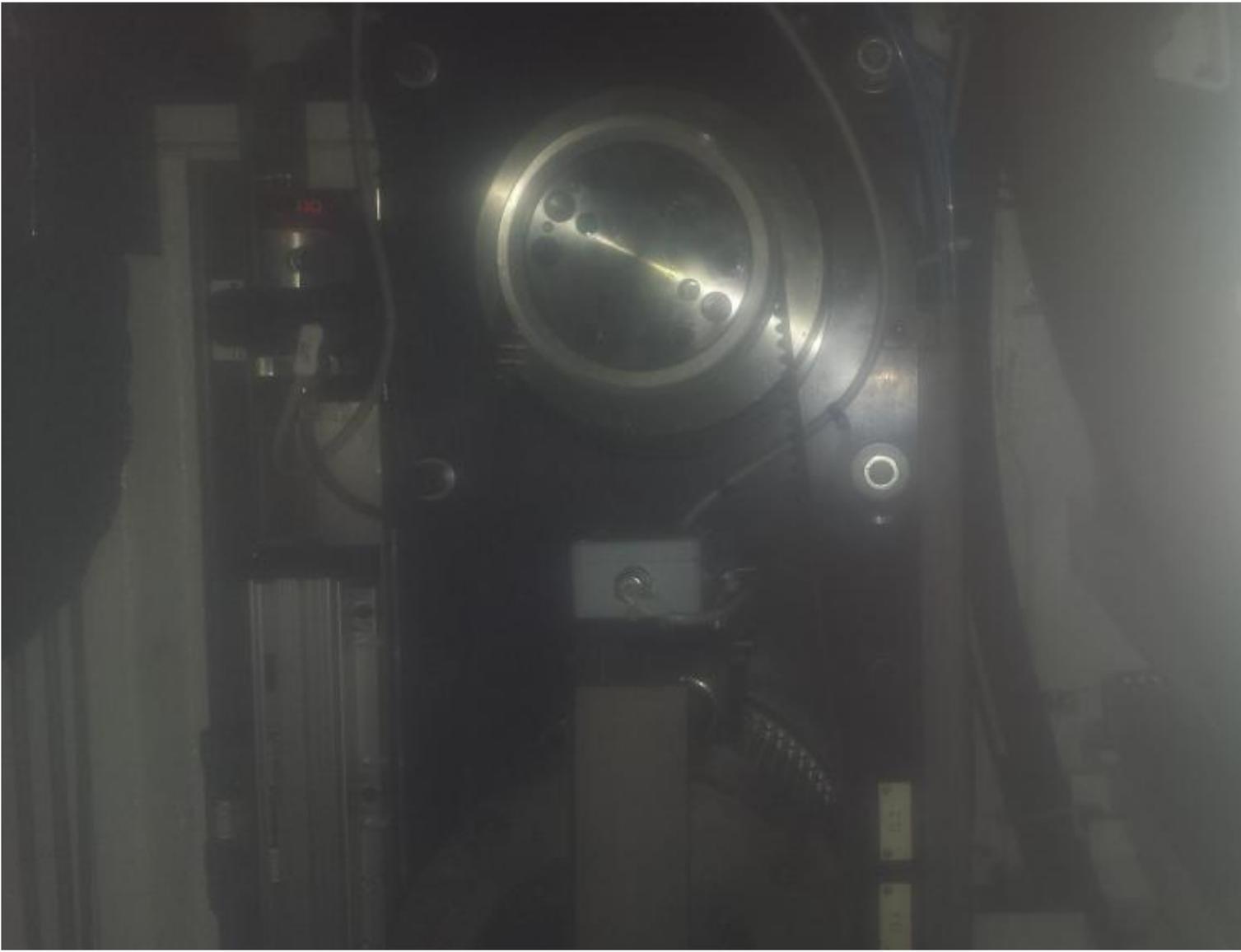




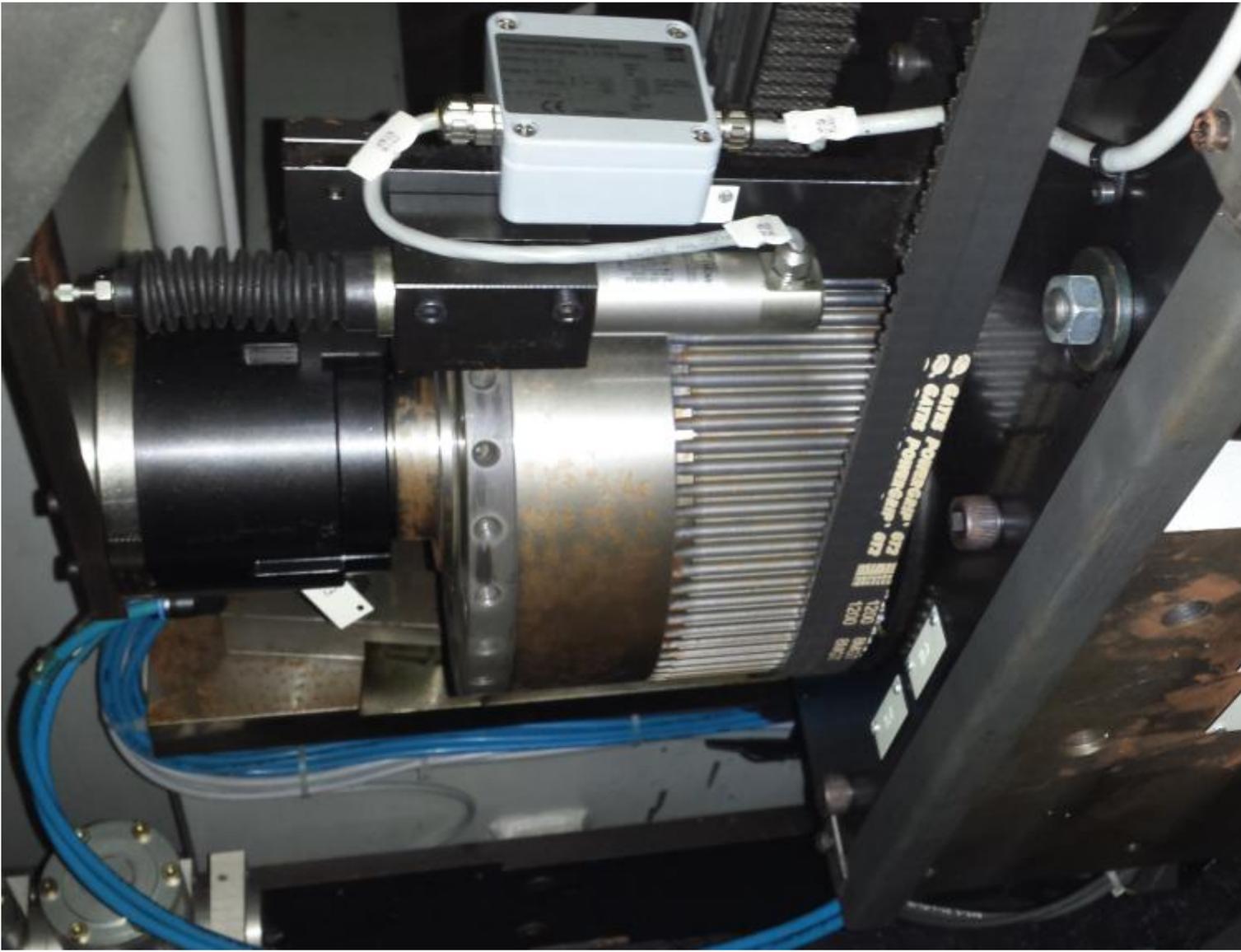
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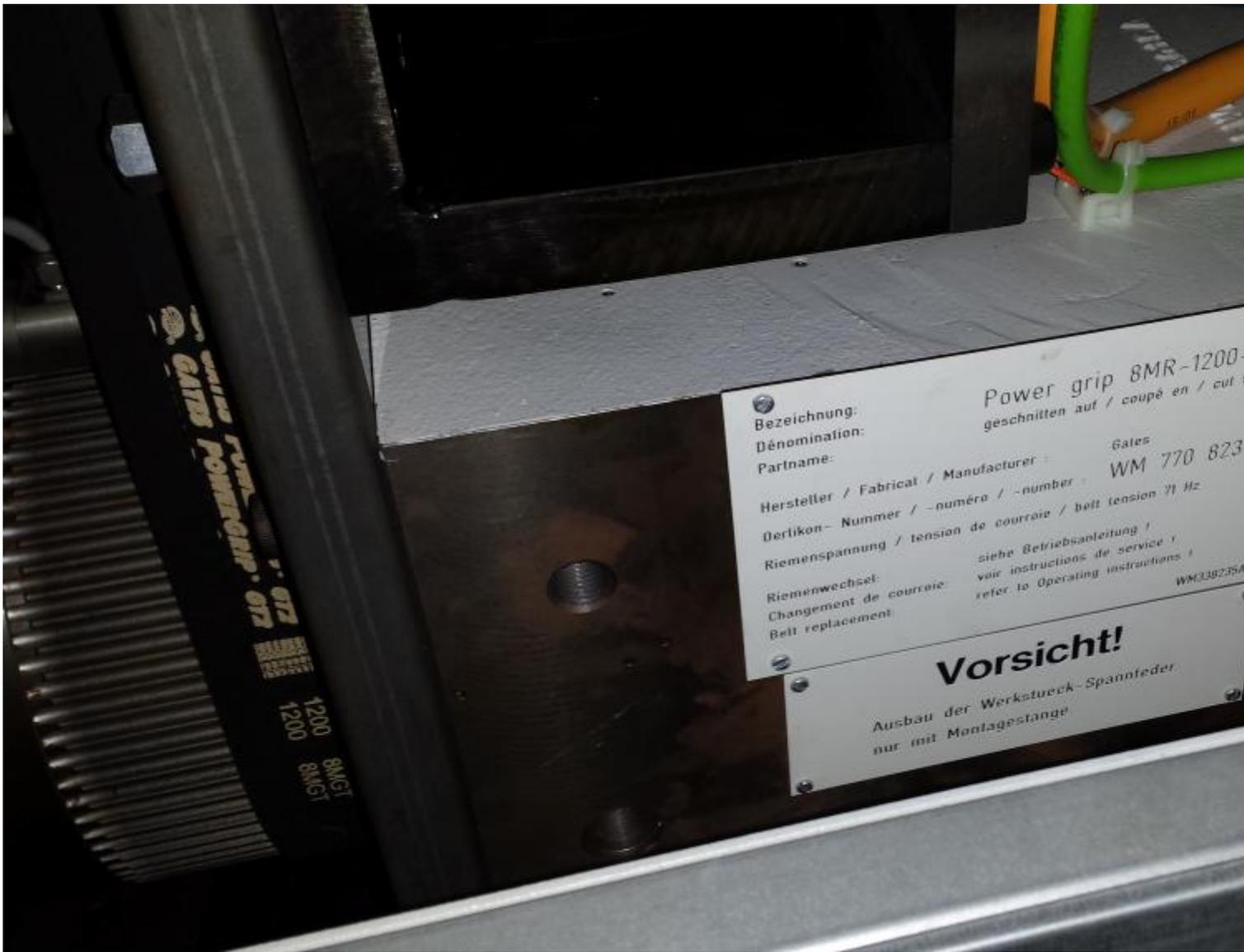


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Video:





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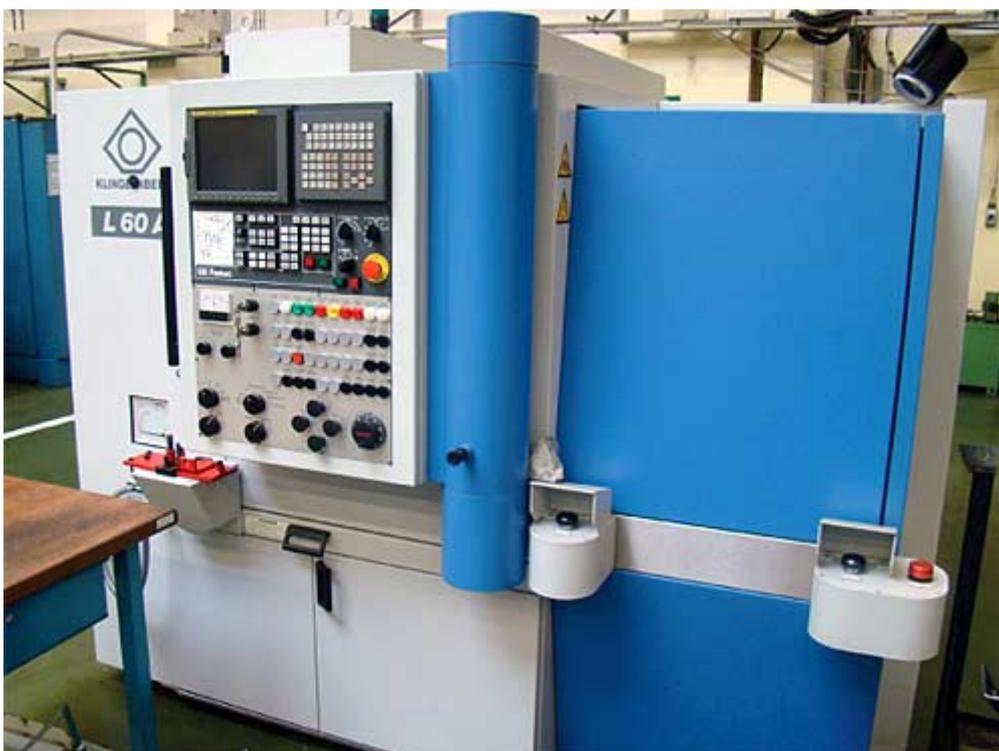
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L 60 A





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EXTR-P

OK->CNC

ROP



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TYP MASCH-NR

STROMART FREQUENZ HZ

NETZSPANNUNG V

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DOKUMENTENVERZEICHNIS

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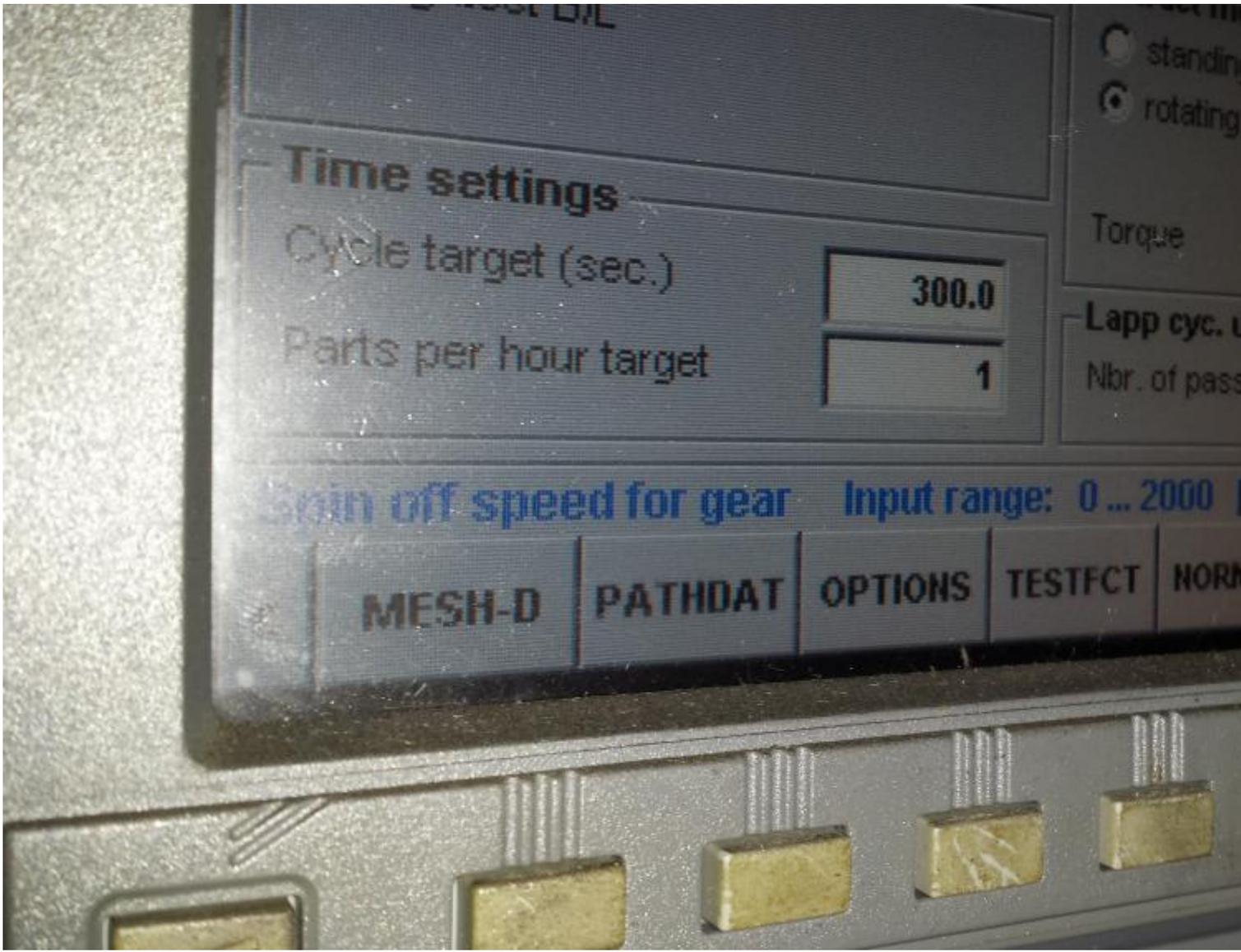
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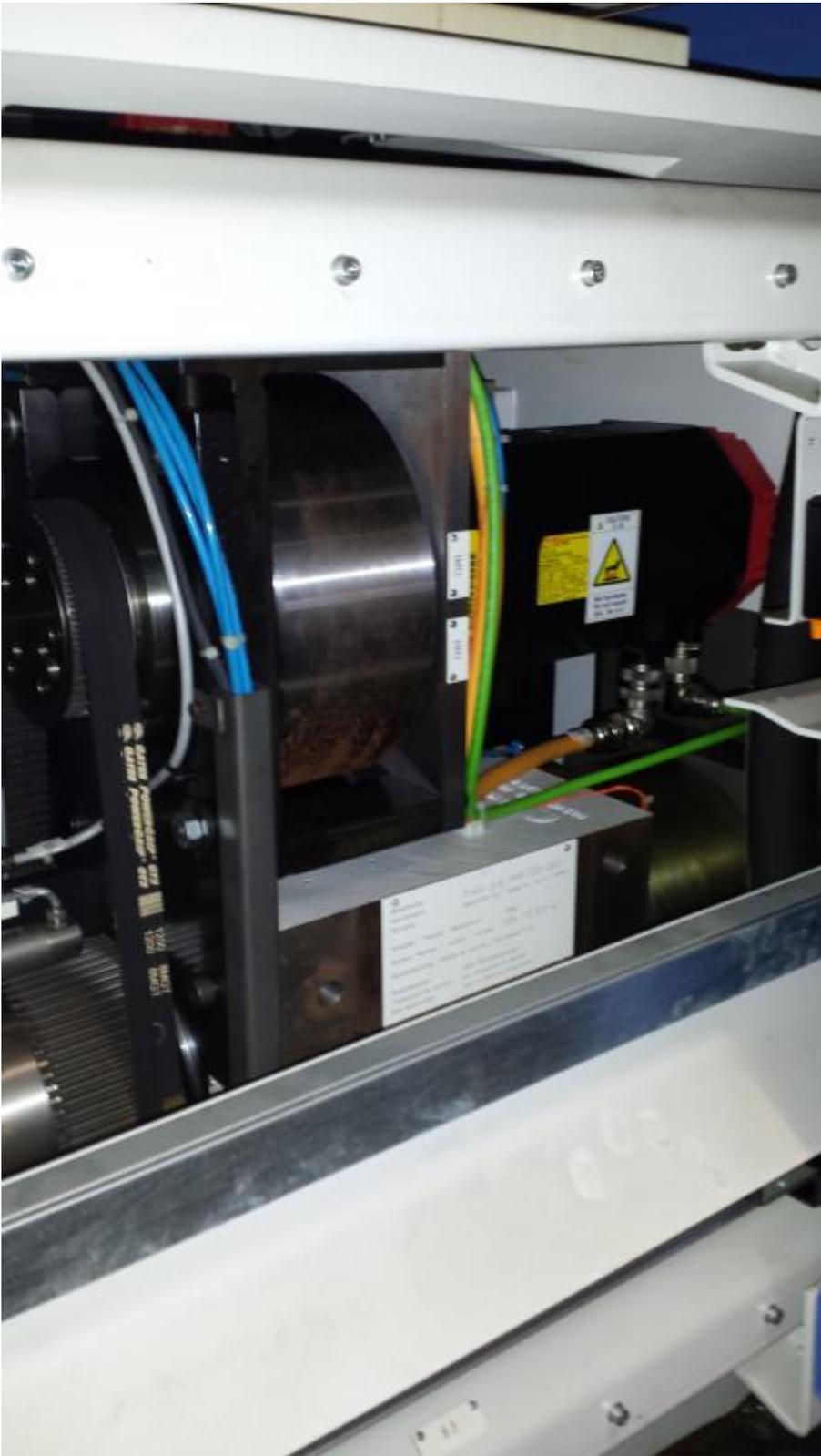


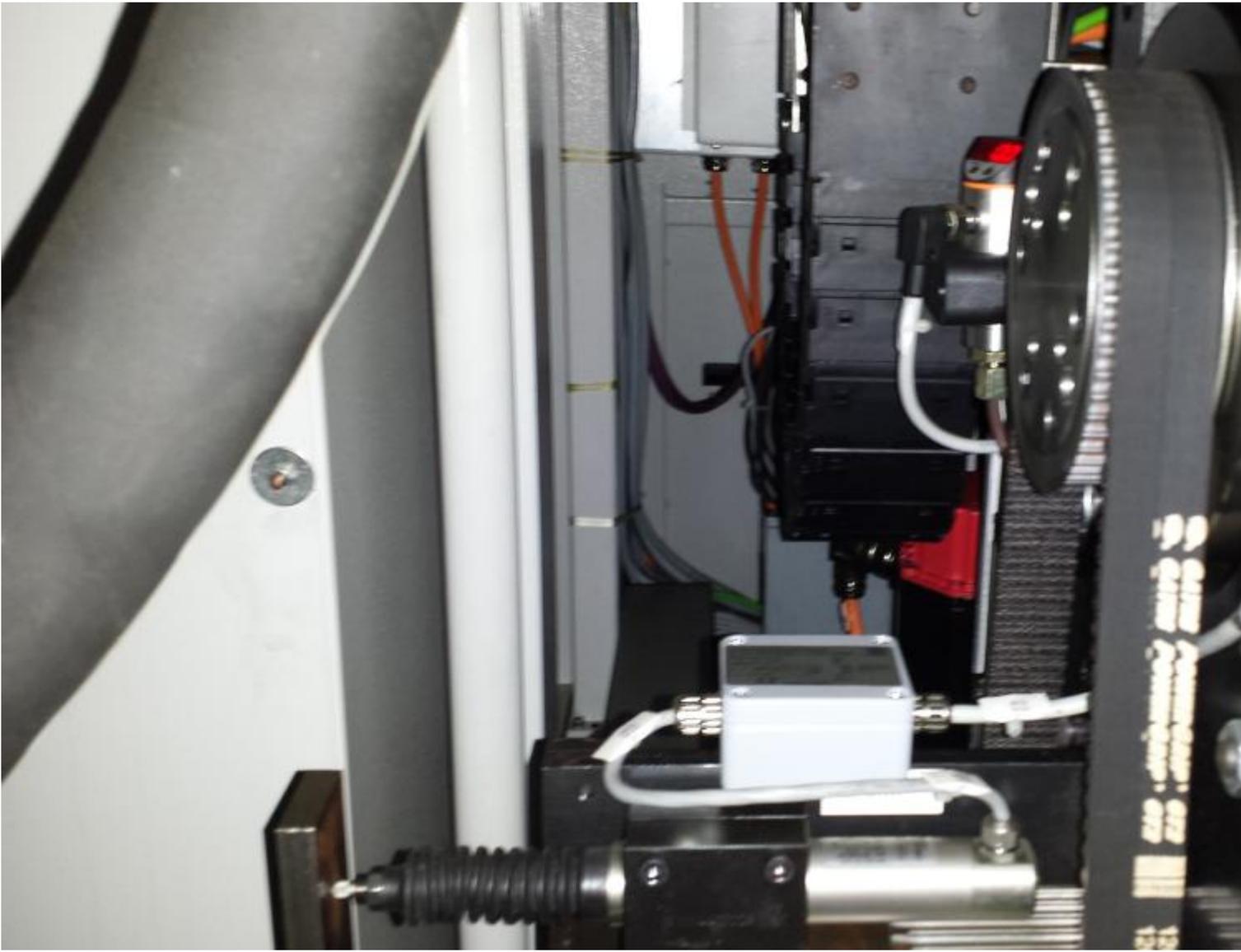


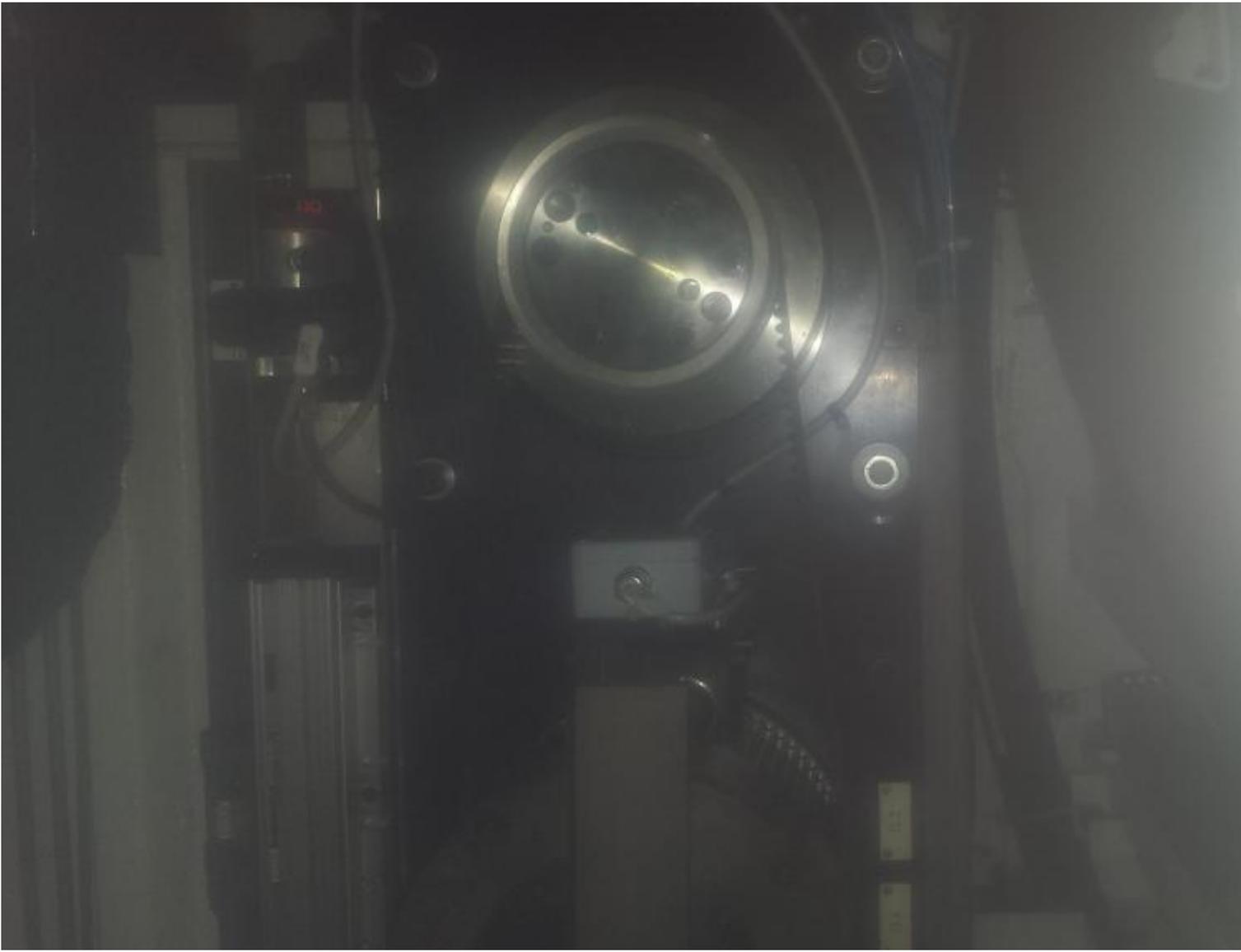




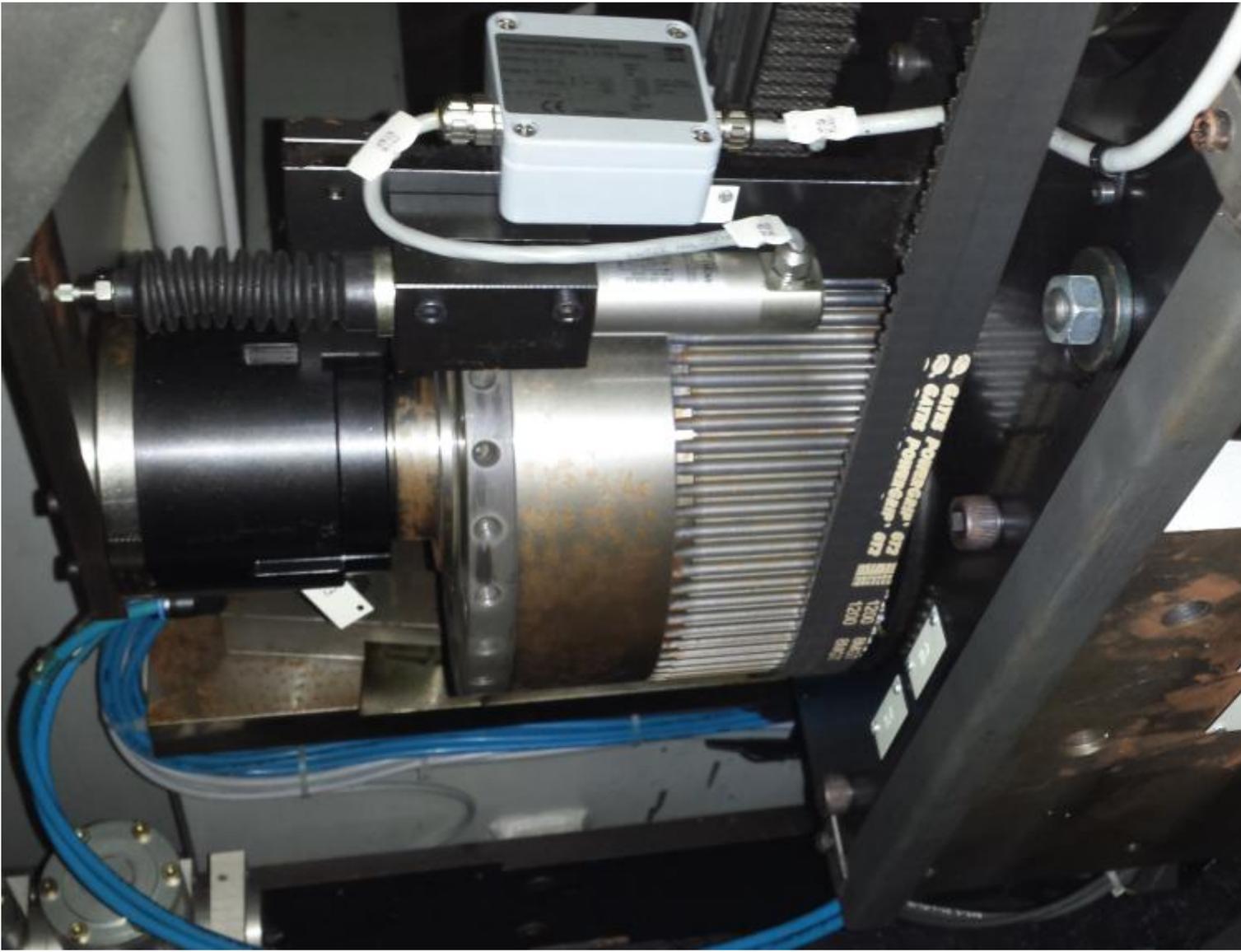


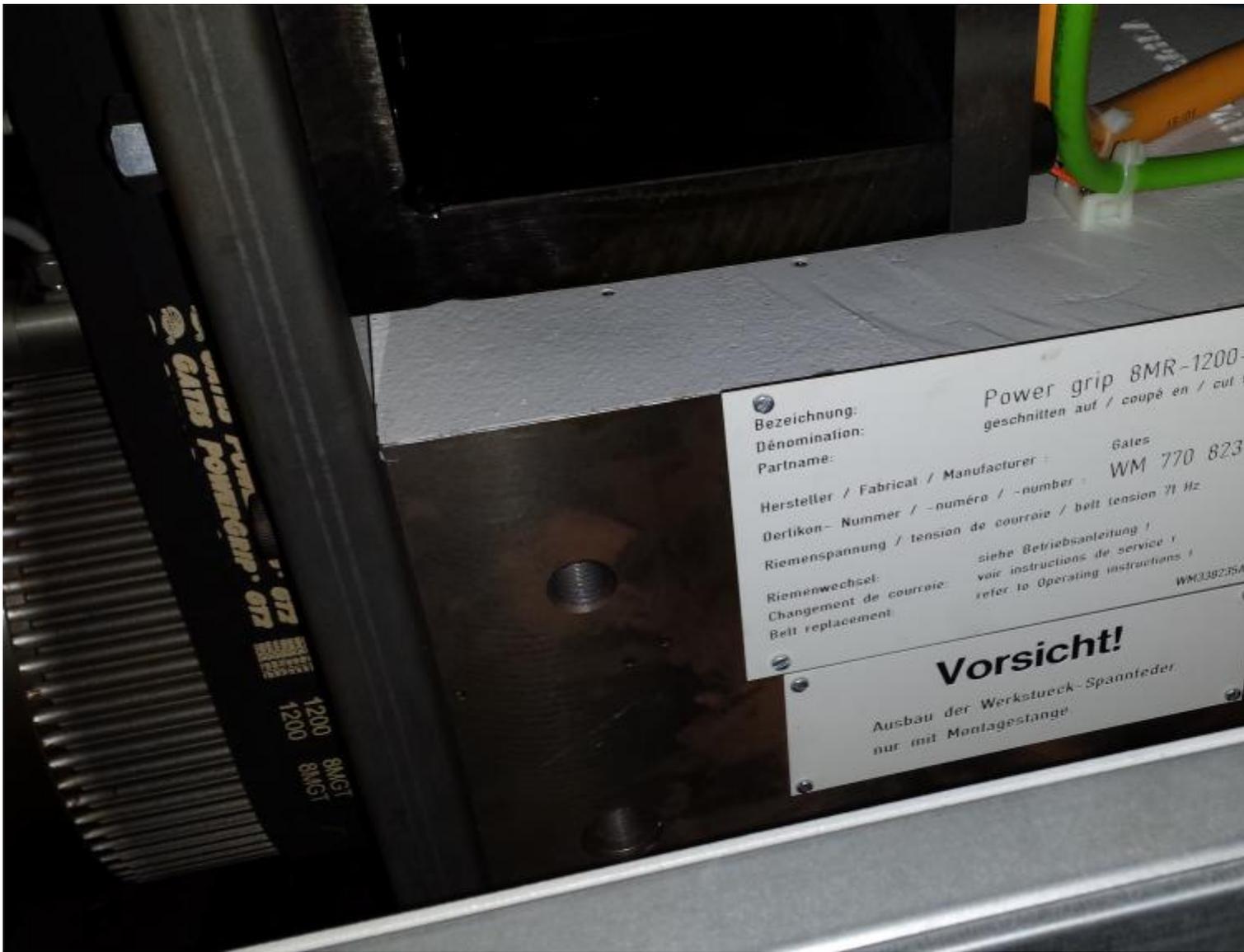












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