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Ref. No.:  
829-07240122

## Overview and Technical Data:

# BÖHMER Maschinenbau Turbo control Acoustic Balancing Machine

[BÖHMER](#)

Böhr

Masch

Year of Build:  
Jan 2009

## **Description:**

# **Used BÖHMER HSB - Acoustic Test Stand & Turbo-Control Balancing Machine**

Balancing machine for rotors for Turbocharger group

Technical data:

- workpiece weight 4 kg
- workpiece length 200 mm
- dia. on complete length 200 mm
- Control Böhmer Turbo Control
- electrics - voltage/frequency 400 / 50 V/Hz
- connected load 12 kVA
- dimensions 2,6 x x 1,5 x 2,6 m

Acoustical test stand for checking and then balancing turbocharger fuselage

groups.

- Chip extraction
- Alignment unit
- grippers
- Milling unit with compressed air milling spindle

More details on request

---

## **Acoustic load balancing for turbochargers:**

By means of the acoustic balancing technique, high-frequency components, e.g. Turbocharger, can be very finely balanced. The balancing of turbochargers for automobiles is necessary because bodies that rotate about an axis cause a certain imbalance. This manifests itself in the form of vibrations, which ultimately lead to increased material wear and losses in performance.

Balancing the turbochargers is achieved by removing some material at certain points. Since the tolerances move in very small regions, corresponding devices are required. The acoustics test stand shown here represents such a device.

## **Technical Data:**

## **Technical Data:**

Control:

[CNC](#)

## **Dimensions and Weight:**

Height:  
2.285 mm  
Length:  
2.608 mm  
Width:  
1.114 mm  
Weight:  
3.700 kg

## **Buyer Information:**

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

## **Images:**



Böhmer

HSB 04

B 08











**B**

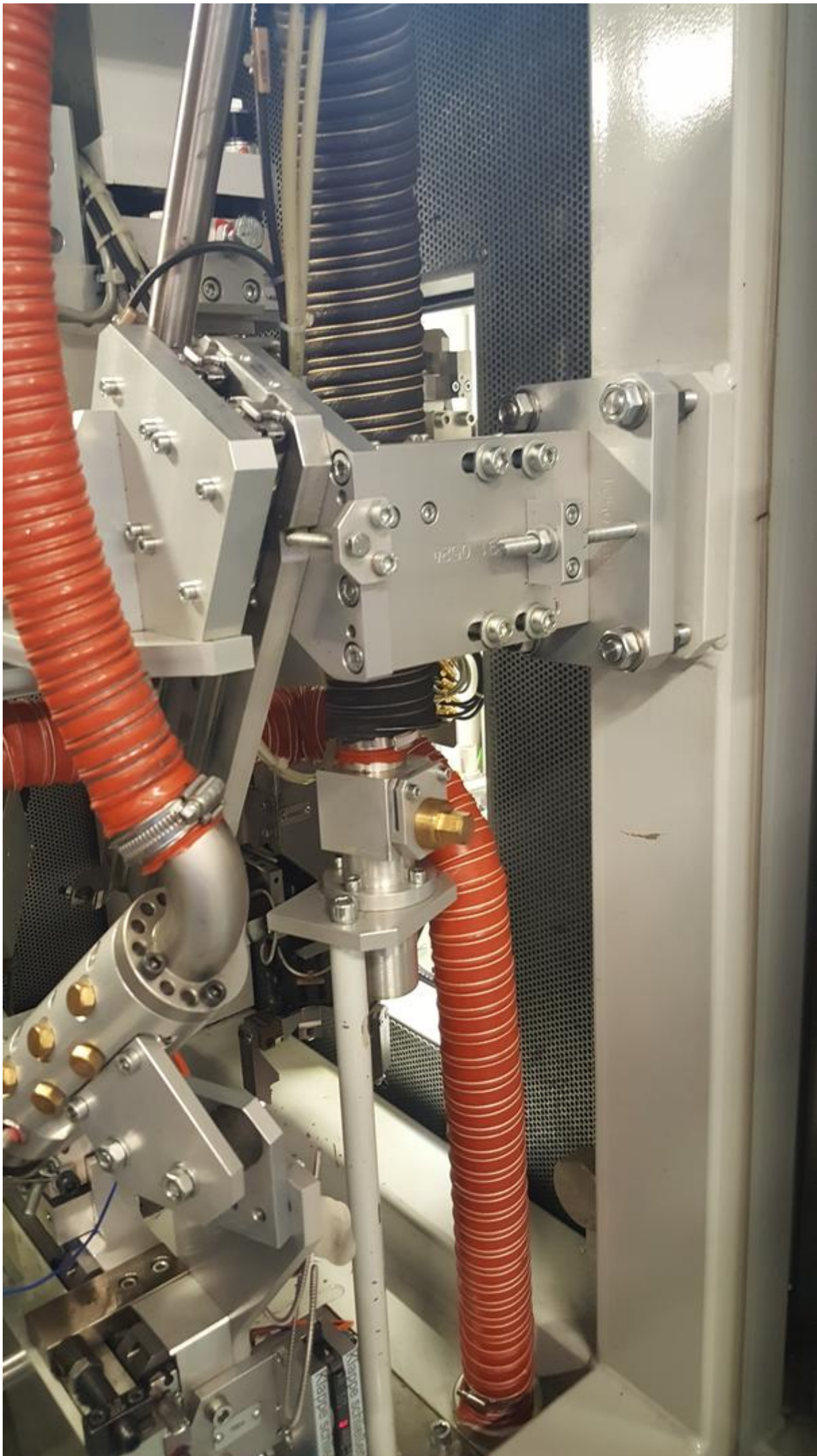
M O

WWW.

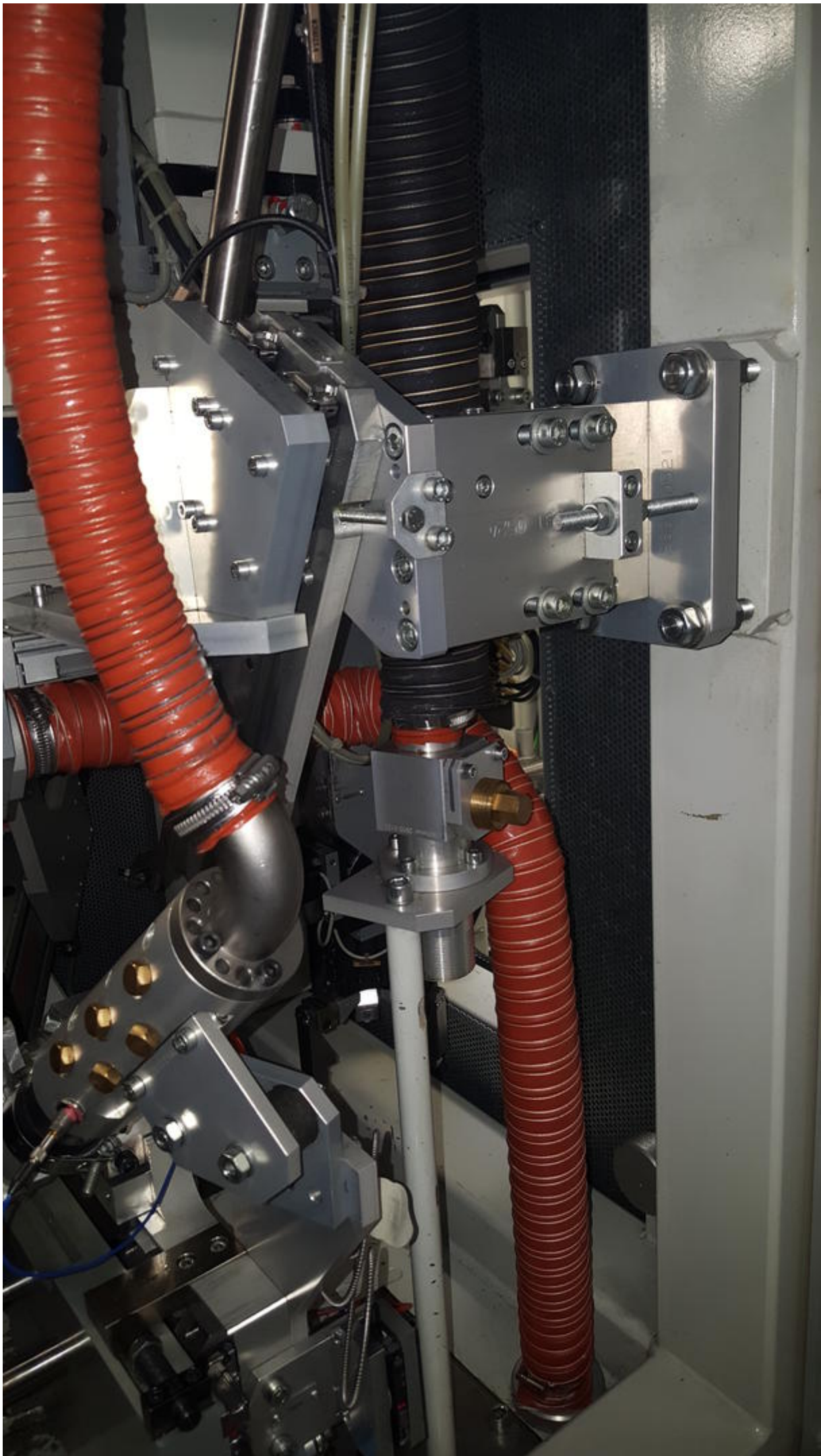




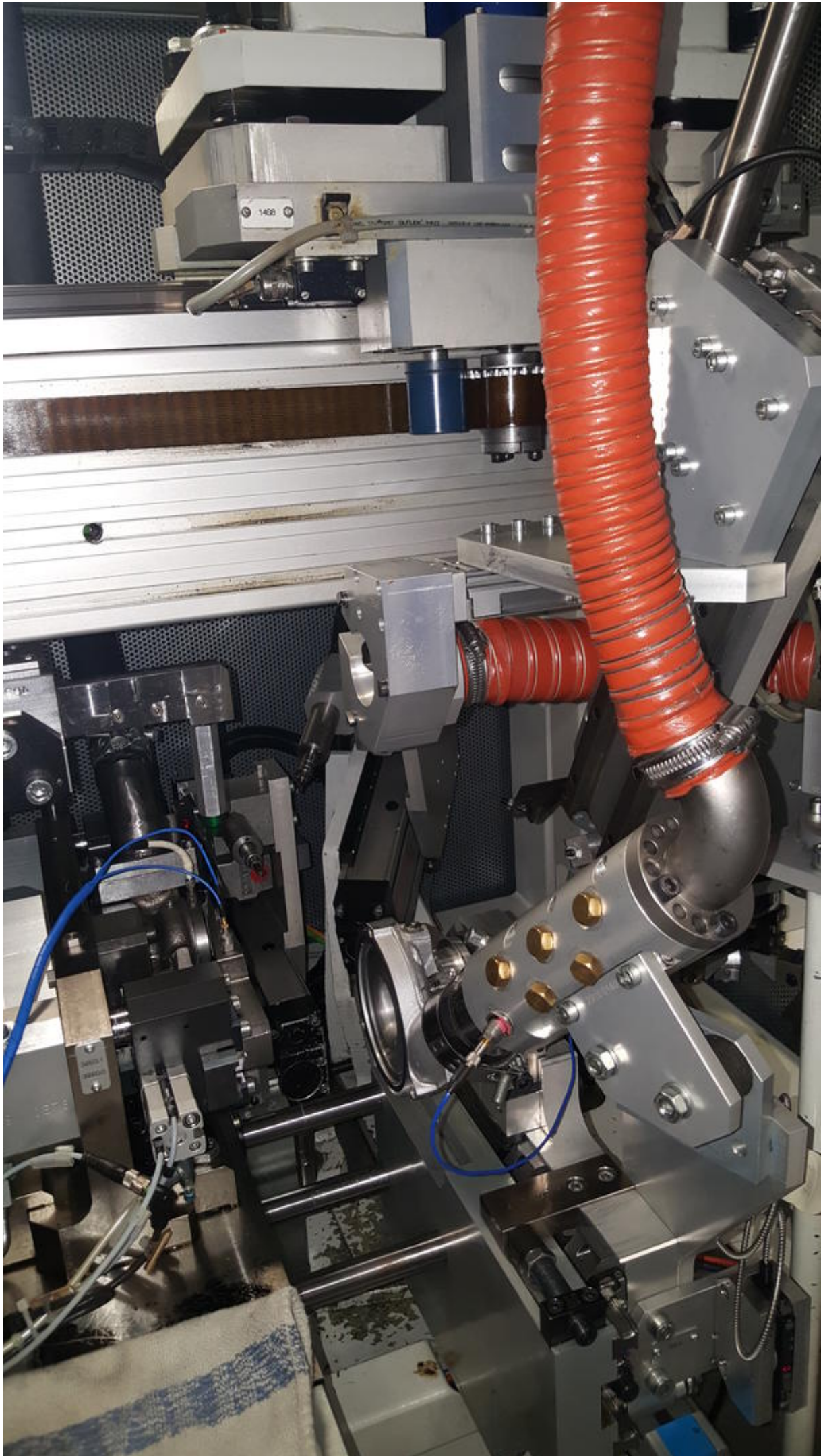








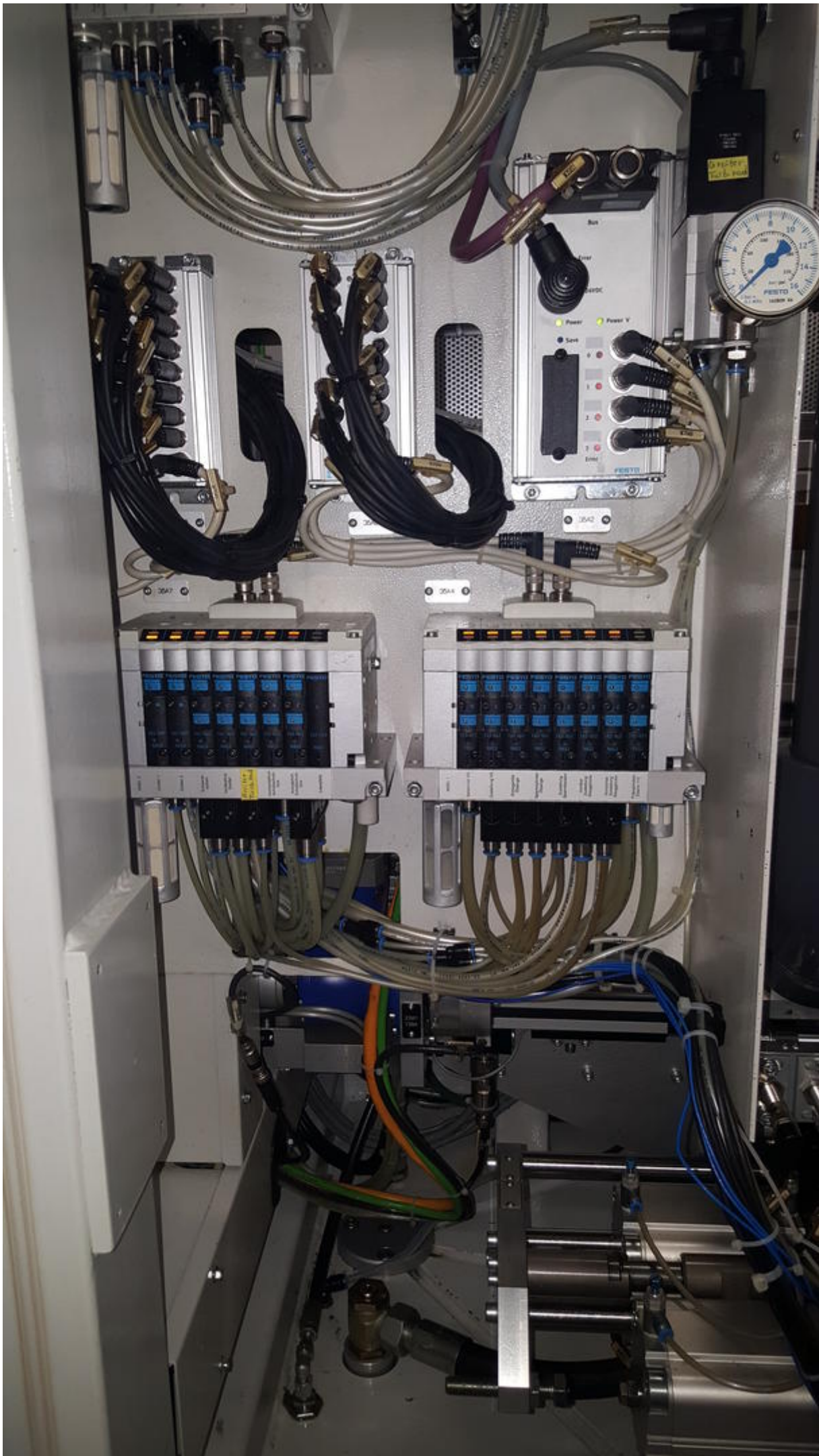




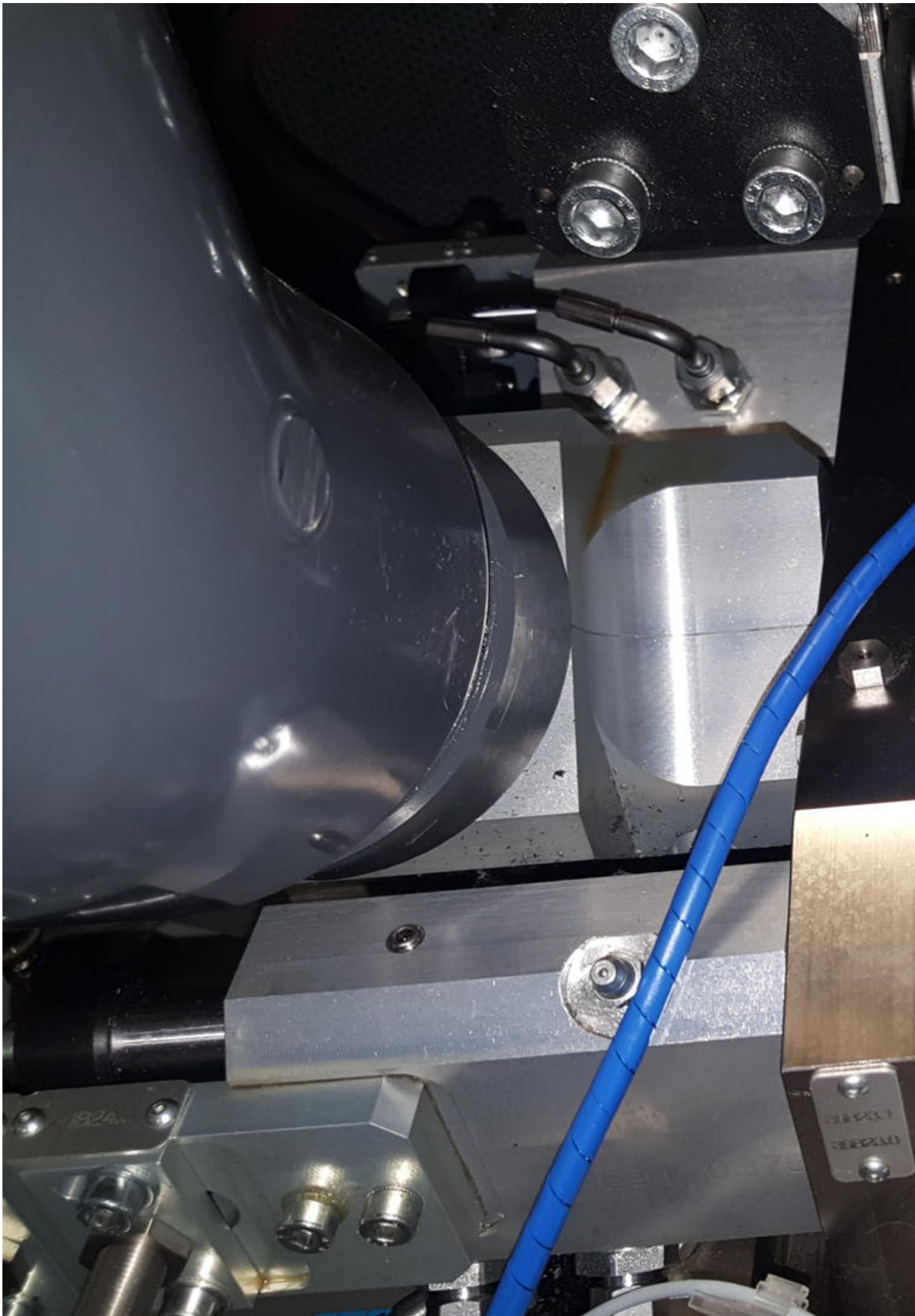




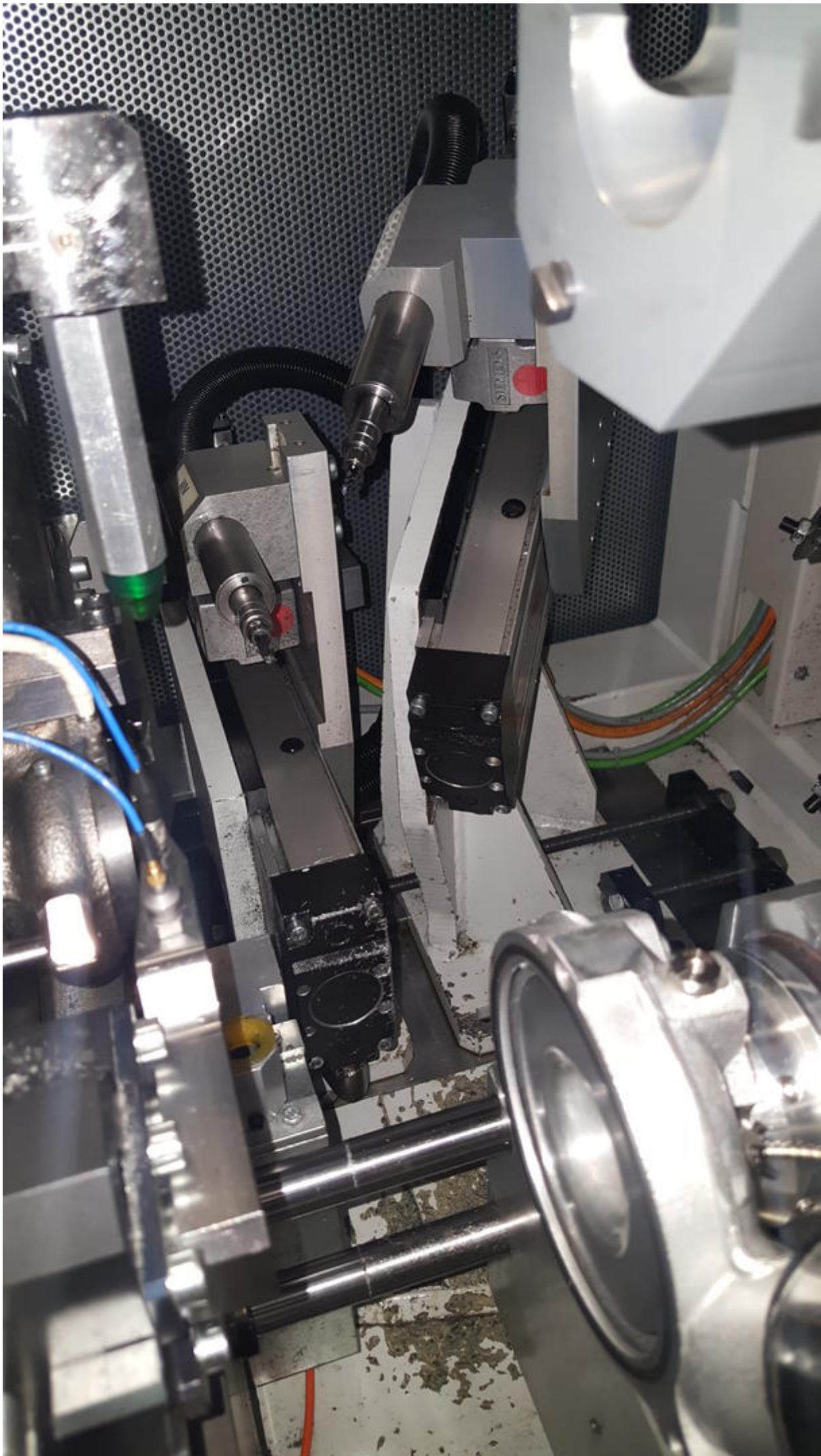




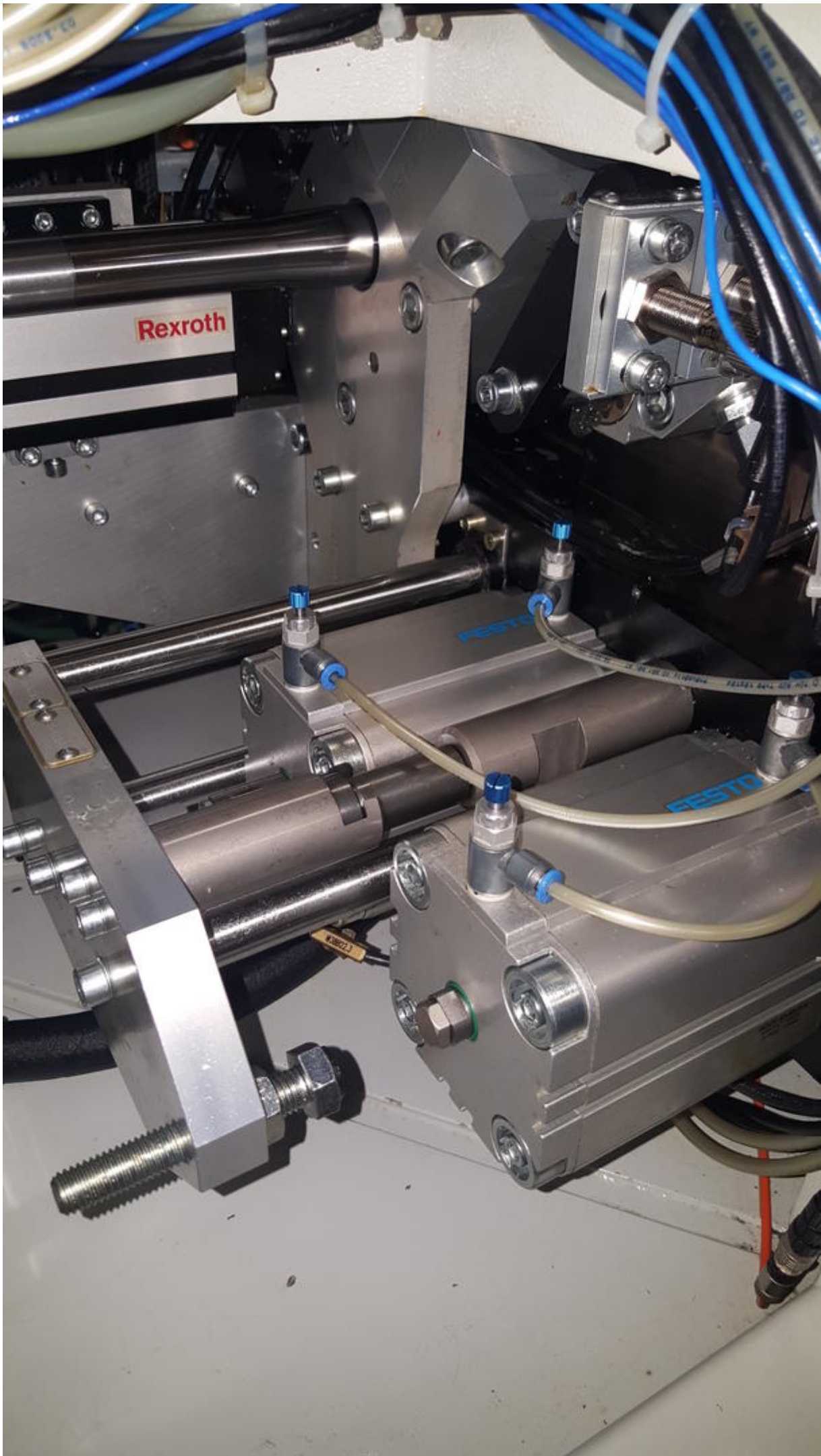








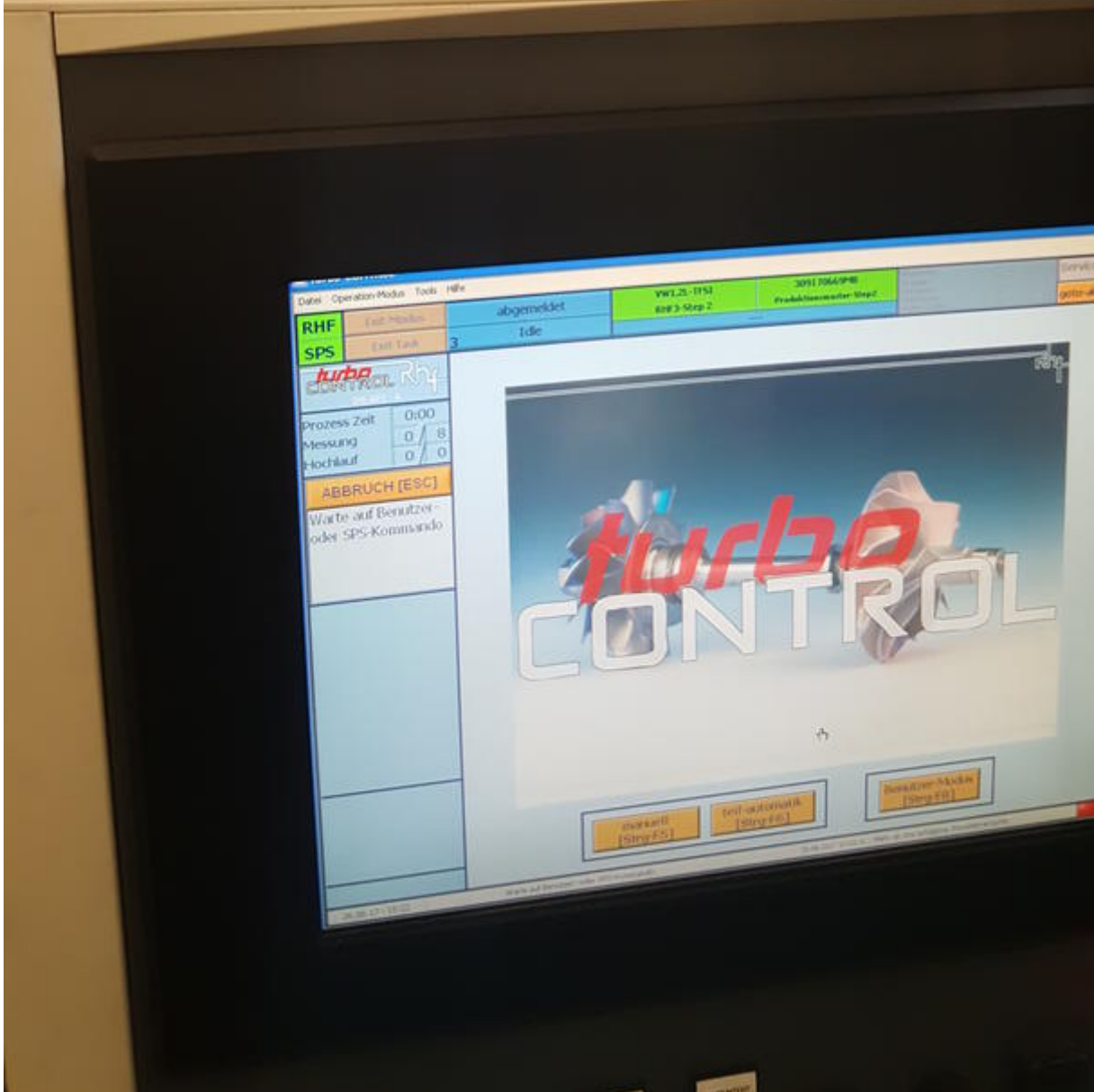














Maschinenbau Böhmer GmbH • Industrie

**Böhmer**

Maschinenbau

[www.boehmer.com](http://www.boehmer.com)

made in Germany

Kom. Nr. Kunde

45000000402

Baujahr

2009

Ser. Nr.

0909001 TC: 69066

Gewicht

220 kg



Maschinenbau

**Böhm**  
Maschinen

Kom. Nr. Kunde

Baujahr

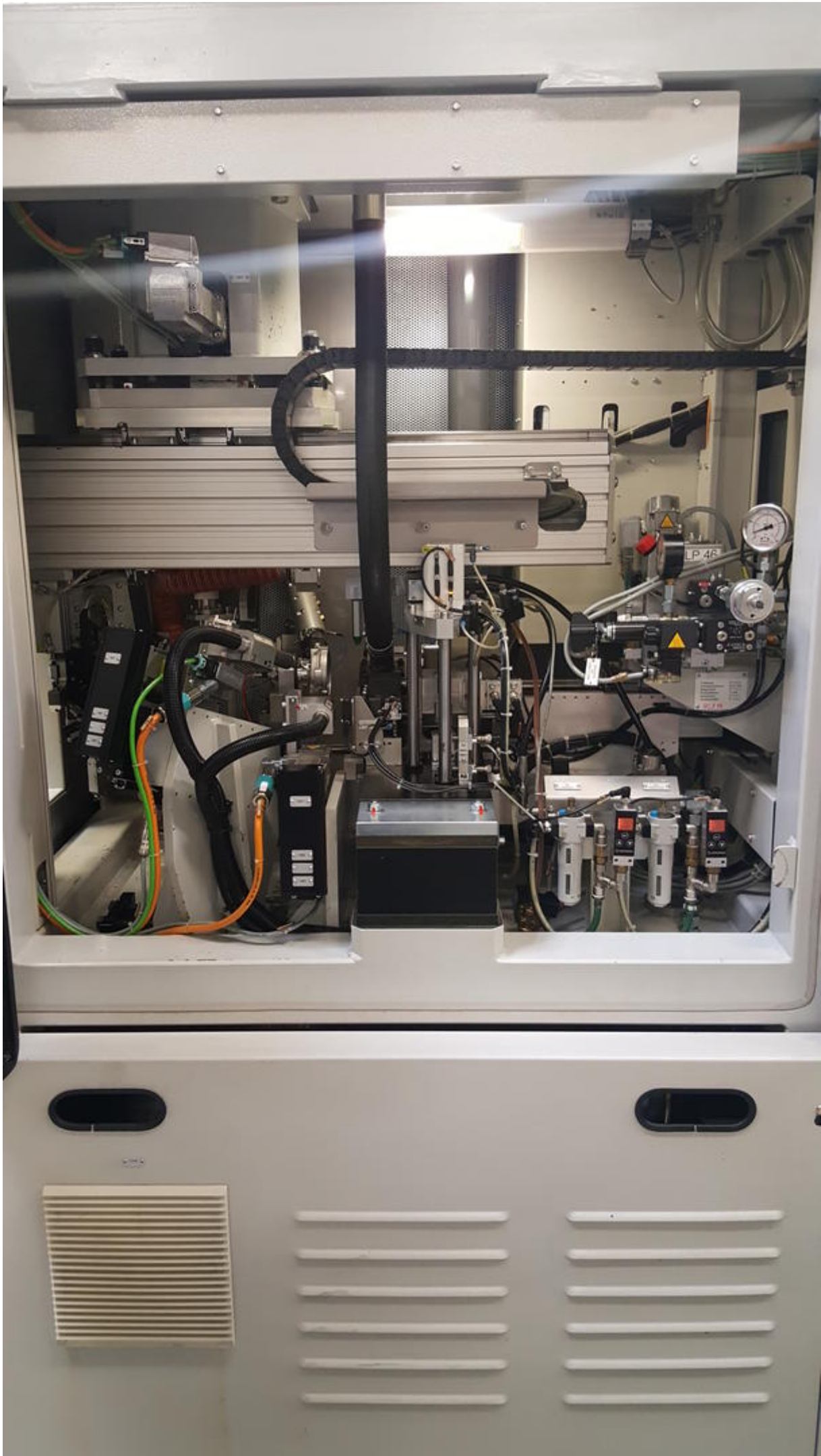
Ser. Nr.

Gewicht





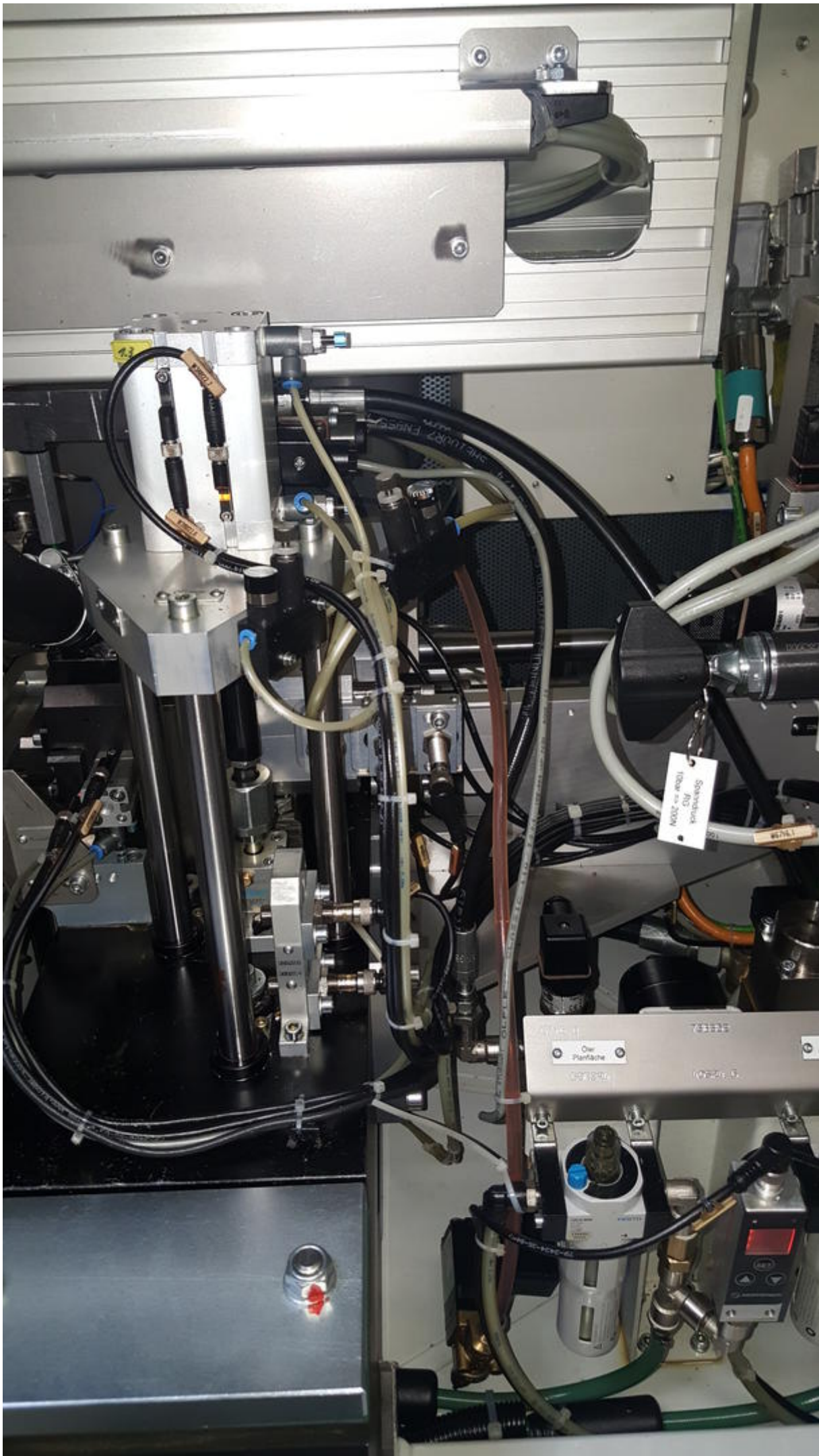




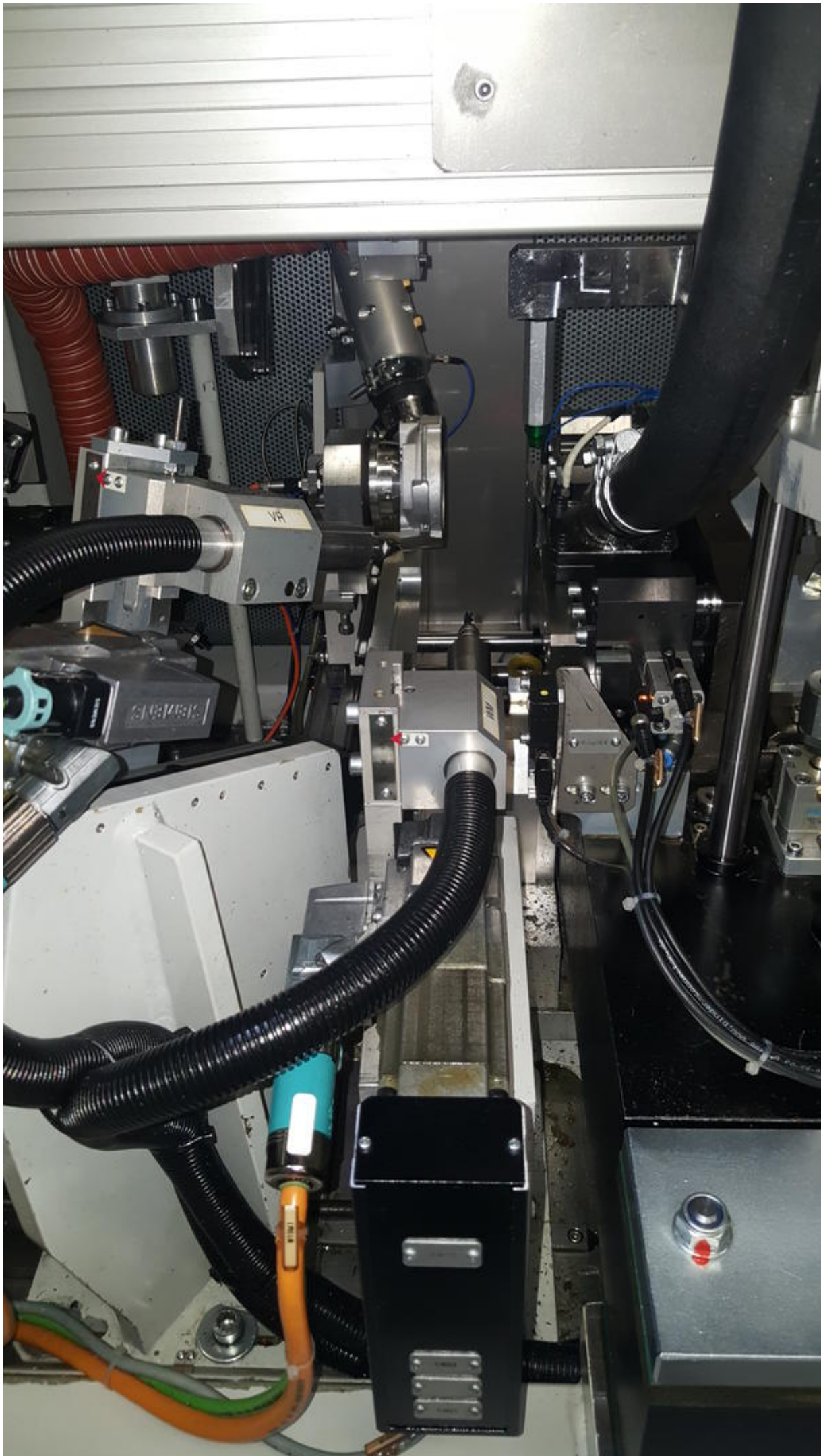








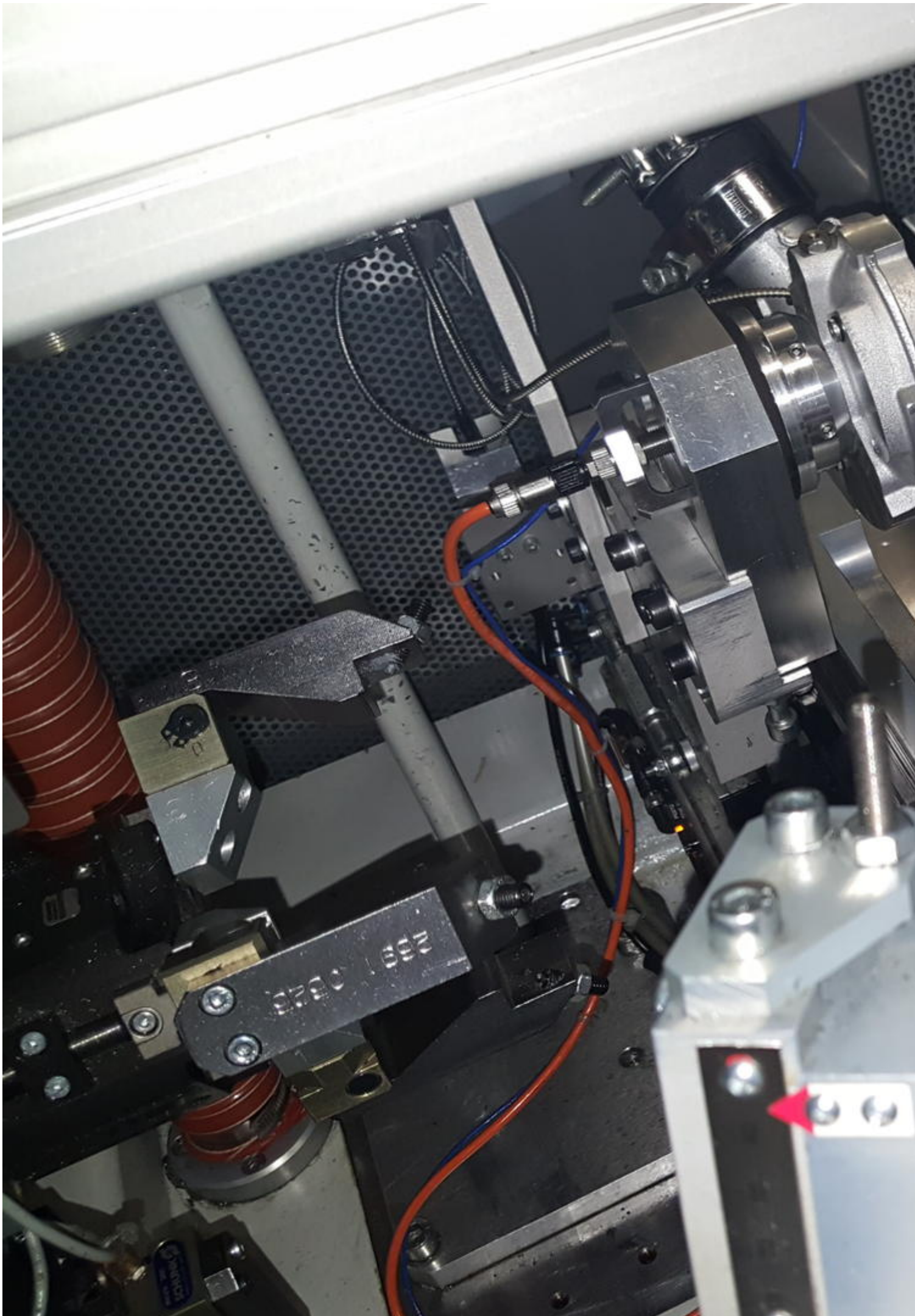








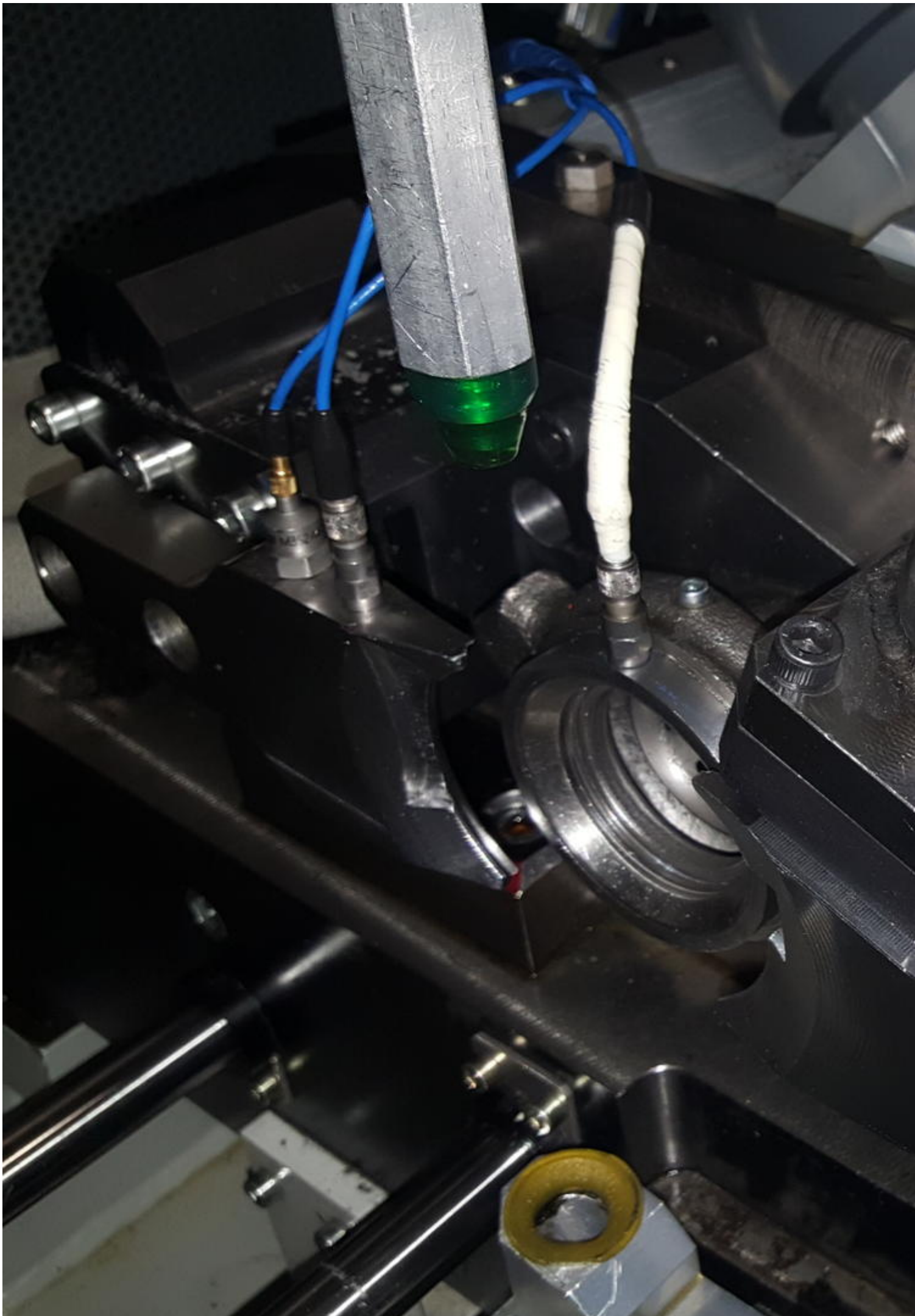




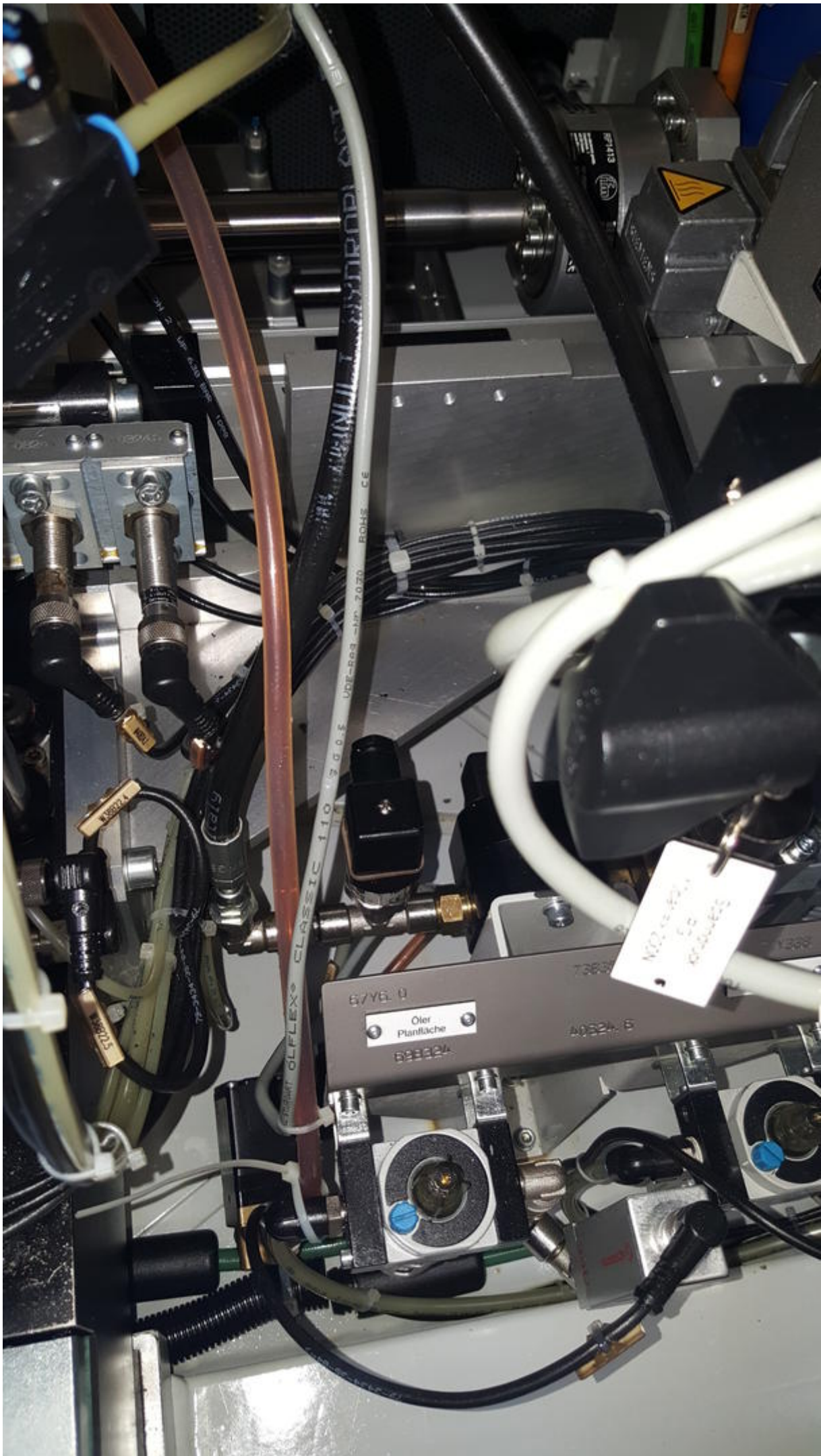




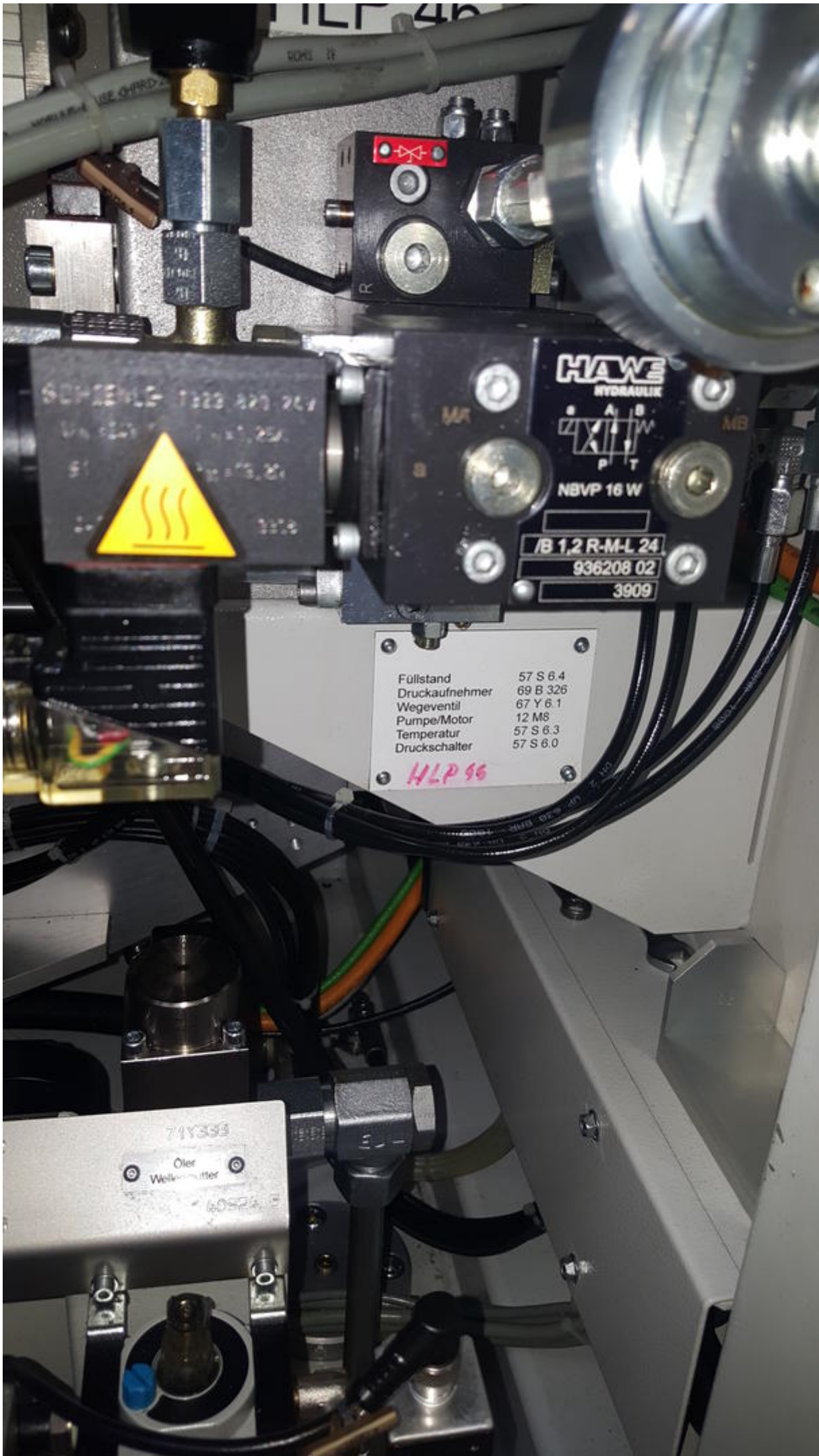












SCHENKLE 1323 220 264  
Vn 220 1 1,25  
51 1,25  
3378



**HAWE**  
HYDRAULIK

MA MB

S A B  
P T

**NBVP 16 W**

**/B 1,2 R-M-L 24**  
**936208 02**  
**3909**

Füllstand	57 S 6.4
Druckaufnehmer	69 B 326
Wegeventil	67 Y 6.1
Pumpe/Motor	12 M8
Temperatur	57 S 6.3
Druckschalter	57 S 6.0


**HLP 96**

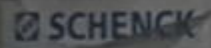
71Y353

Oler  
Wellenritzer

60524 5



 **SCHENCK**

 **SCHENCK**

High-Speed Balancing  
B02-HSB

**RETS0003**

Ordernummer:  
**1.1.6.02**

Inhalt: Techn.Doku

- 1 Allgemeine Info
- 2 Sicherheit
- 3 Technikoaten, Zertifik.
- 4 Montage, IB
- 5 Verfahren, Werkzeuge
- 6 Betrieb der Maschine
- 7 Wartung & IH
- 8 Elektrik
- 9 Mechanik
- 10 Anhang – Fremddoku

Stand: 27.09.2010


1 von 1



SCHENCK

SCHENCK

Inhalt:  
1 Allg.  
2 Sich.  
3 Tec.  
4 Mon.  
5 Verf.  
6 Bet.  
7 Wa.  
8 Elek.  
9 Mec.  
10 Anh.  
Stand:

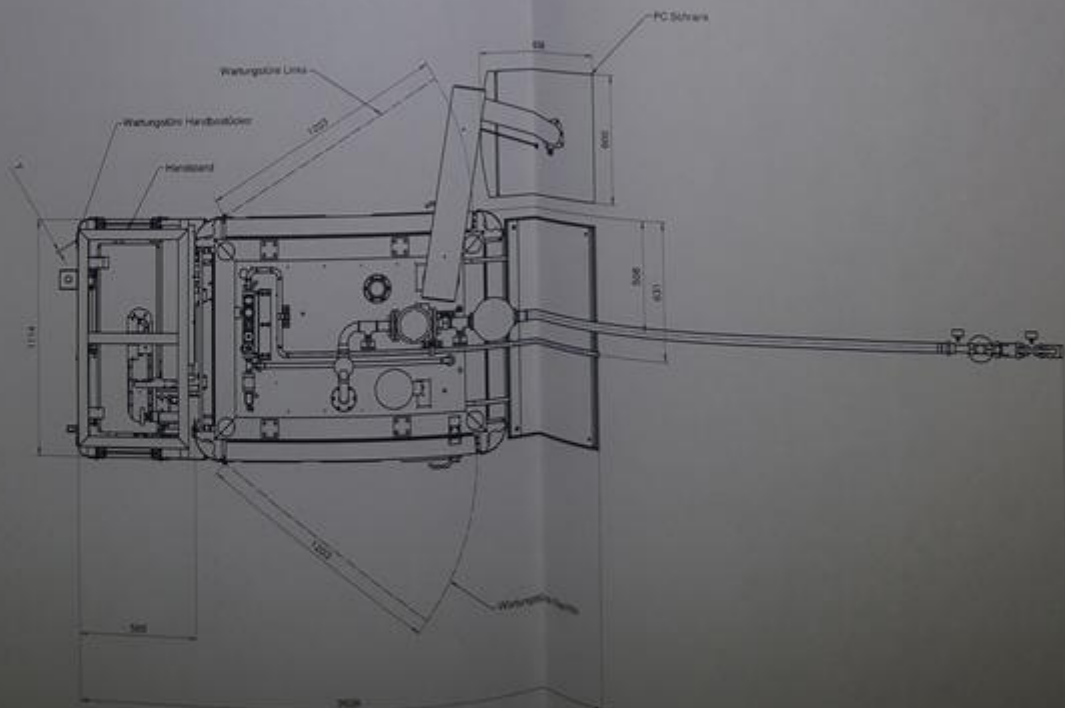
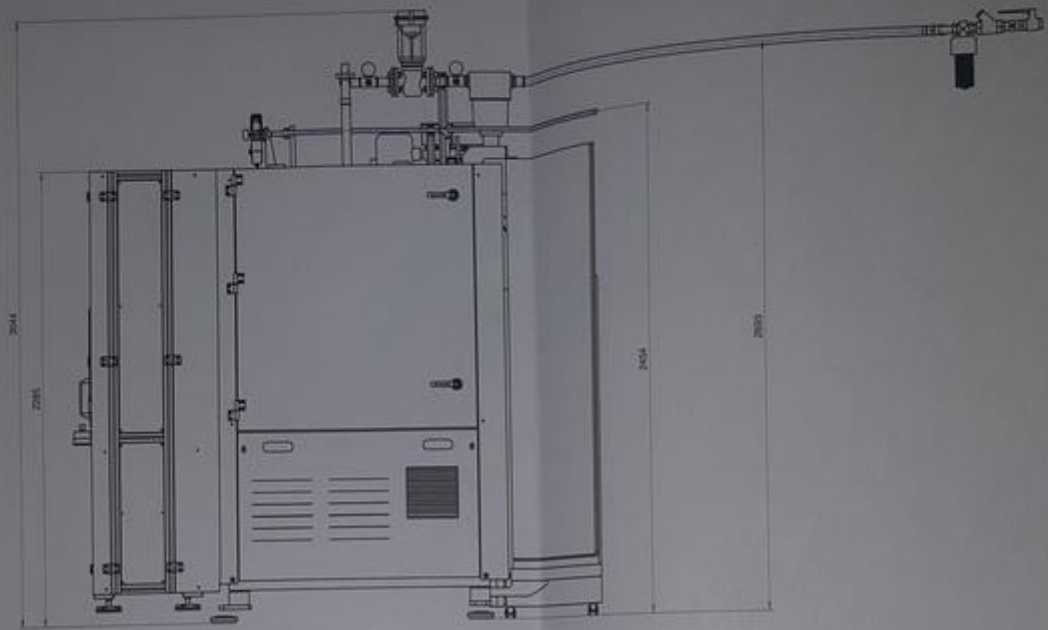
The  Group

The  Group











Antirutschmatten (2x) zum sicheren  
Transport der Wuchtkabine

- Wuchtkabine mit geeigneten Gurten auf Ladefläche sichern
- Beim Transport mit Stapler Antirutschmatten verwenden
- Gewicht Wuchtkabine: 3100 kg

Nachbearbeitung:		Kommission:		Stückzahl:																																																																																																																																													
Schutz- vermerk nach DIN ISO 16016		Datum 07.10.2009		Name A. Richter																																																																																																																																													
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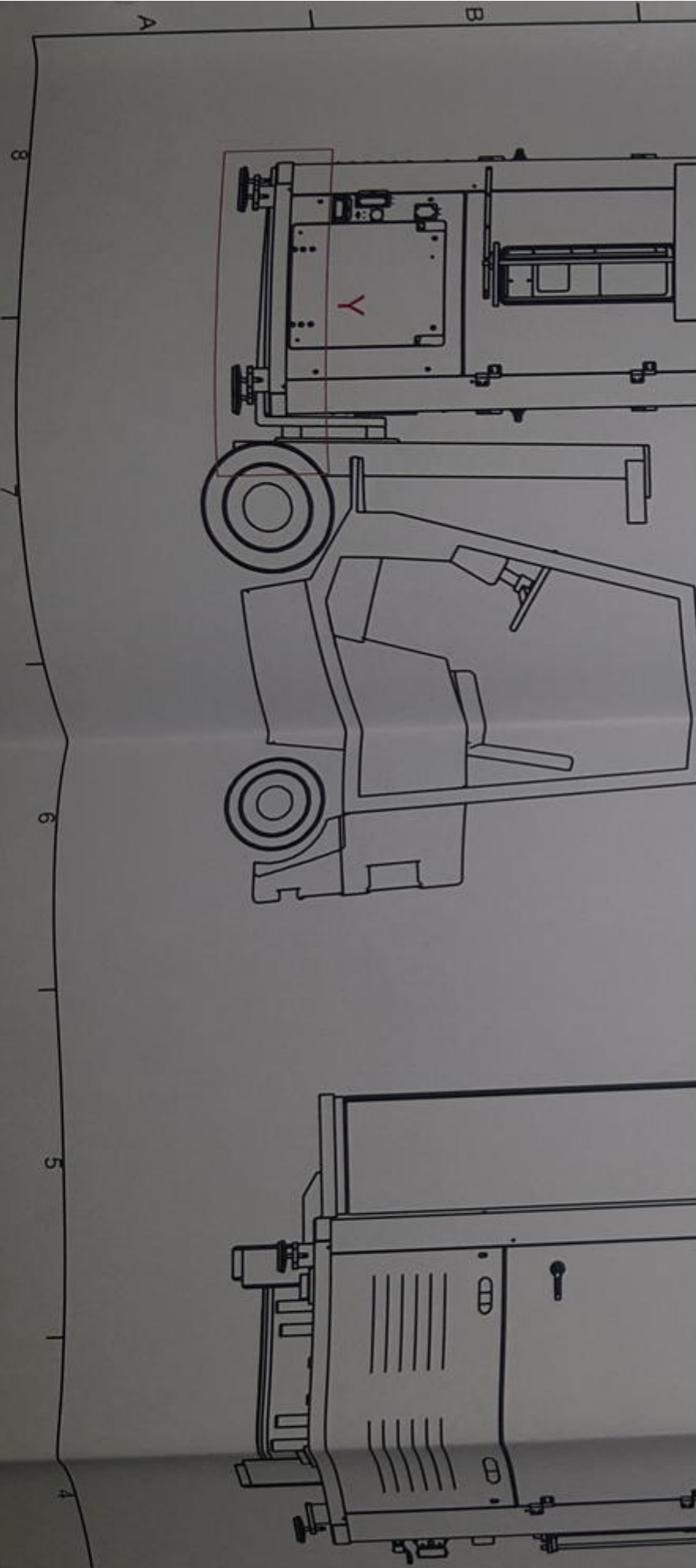
**Böhmer**  
Maschinenbau

Art-Nr.: 2691 1000T  
Zeichn.-Nr.: 2691.1000T

Transport Wuchtkabine

Format: A2  
Blatt: 1/1







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Am Sonnenhof 16

47800 Krefeld

Germany

Tel.: +49 2151 32500 33

Fax.: +49 2151 65 29 22

Email: [info@asset-trade.de](mailto:info@asset-trade.de)

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

Ref. No.:

829-07240122

**Overview and Technical Data:**

# **BÖHMER Maschinenbau Turbo control Acoustic Balancing Machine**

**BÖHMER**

**Böhr**

**Masch**

Year of Build:  
Jan 2009

**Description:**

**Used BÖHMER HSB - Acoustic Test Stand & Turbo-Control Balancing Machine**

## Balancing machine for rotors for Turbocharger group

### Technical data:

- workpiece weight 4 kg
- workpiece length 200 mm
- dia. on complete length 200 mm
- Control Böhmer Turbo Control
- electrics - voltage/frequency 400 / 50 V/Hz
- connected load 12 kVA
- dimensions 2,6 x x 1,5 x 2,6 m

Acoustical test stand for checking and then balancing turbocharger fuselage

groups.

- Chip extraction

- Alignment unit

- grippers

- Milling unit with compressed air milling spindle

More details on request

---

### **Acoustic load balancing for turbochargers:**

By means of the acoustic balancing technique, high-frequency components, e.g. Turbocharger, can be very finely balanced. The balancing of turbochargers for automobiles is necessary because bodies that rotate about an axis cause a certain imbalance. This manifests itself in the form of vibrations, which ultimately lead to increased material wear and losses in performance.

Balancing the turbochargers is achieved by removing some material at certain points. Since the tolerances move in very small regions, corresponding devices are required. The acoustics test stand shown here represents such a device.

### **Technical Data:**

#### **Technical Data:**

Control:

[CNC](#)

#### **Dimensions and Weight:**

Height:

2.285 mm

Length:

2.608 mm

Width:  
1.114 mm  
Weight:  
3.700 kg

### **Buyer Information:**

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

### **Images:**



Böhmer

HSB 04

B 08











**B**

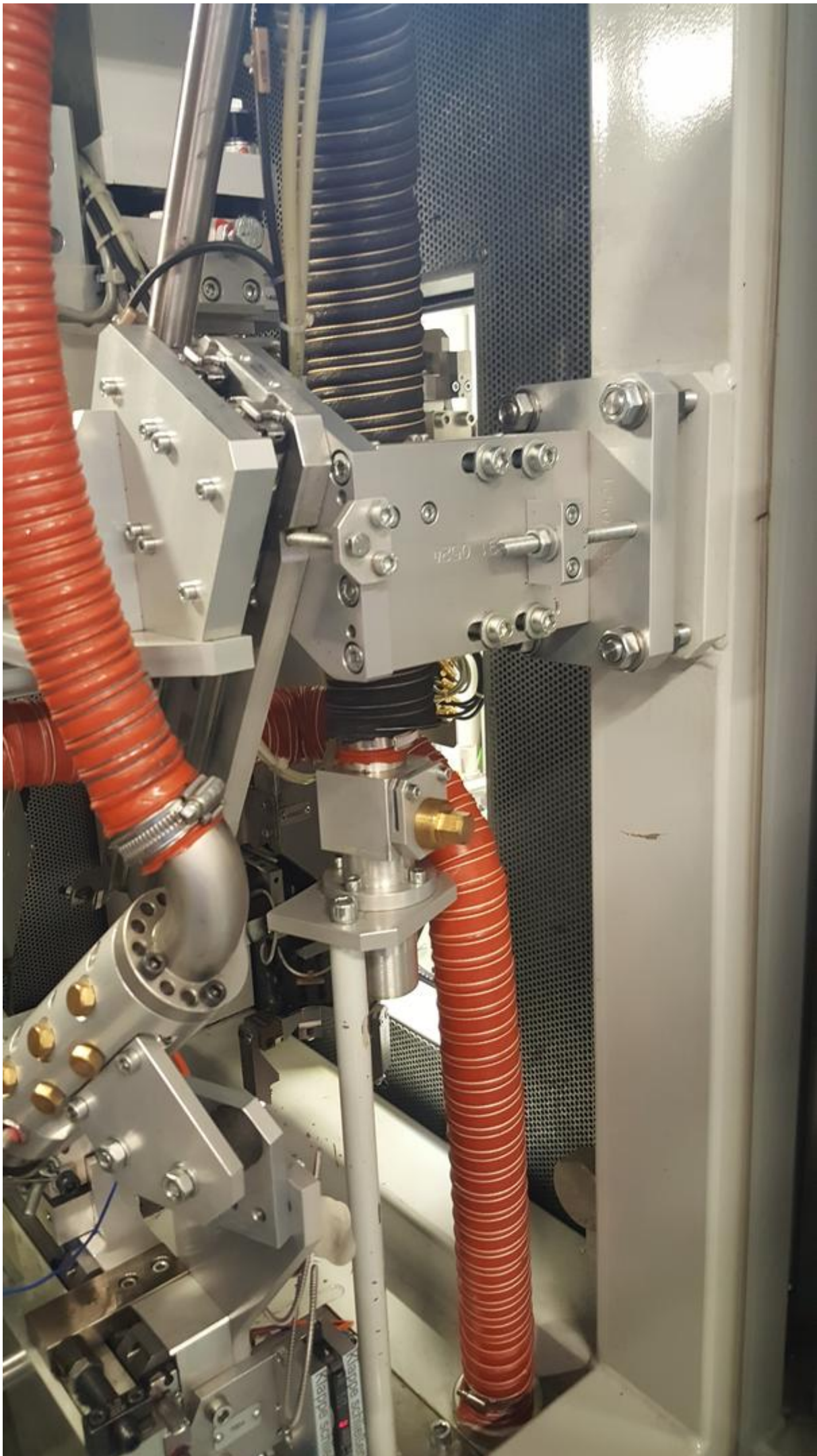
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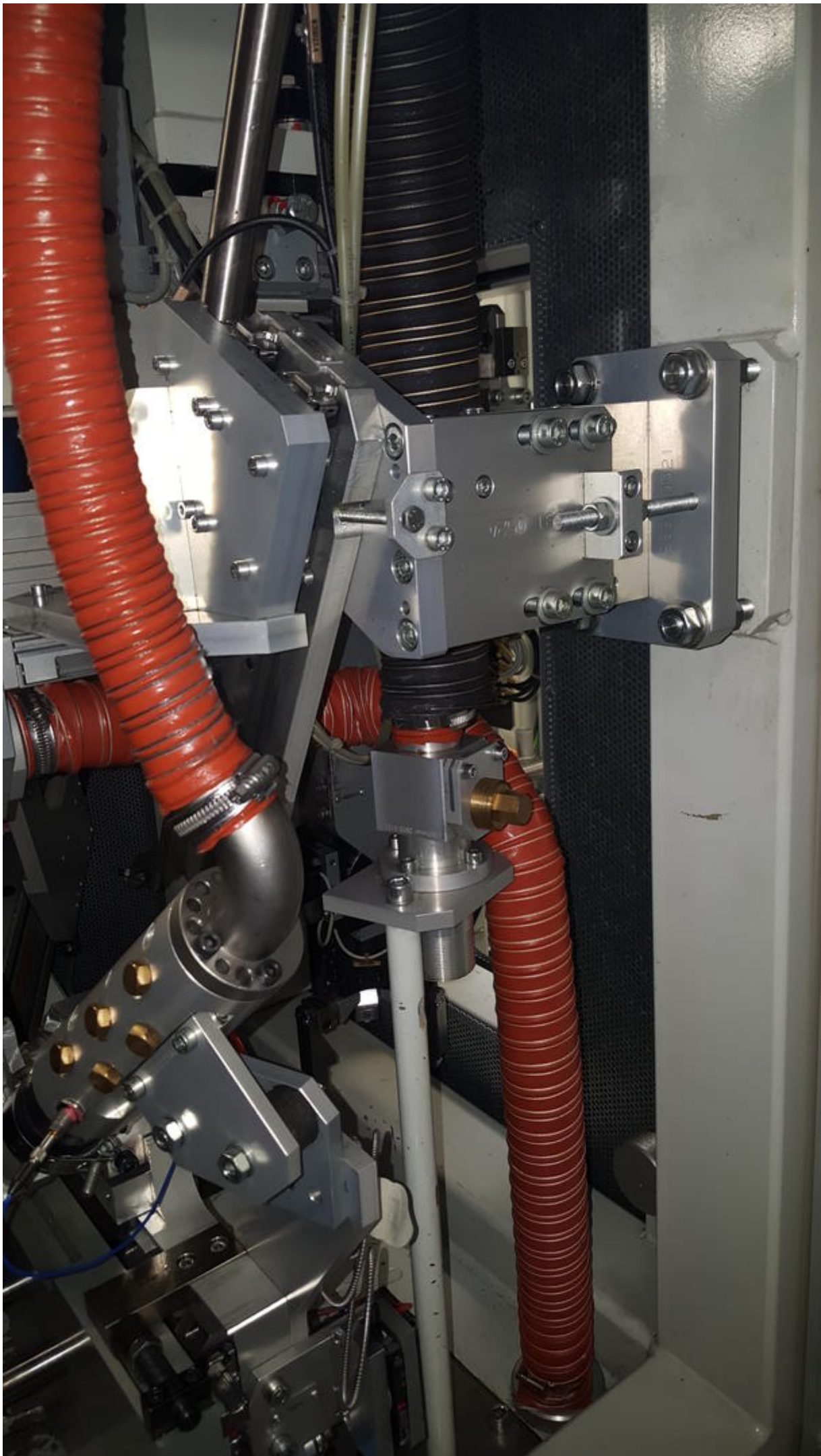




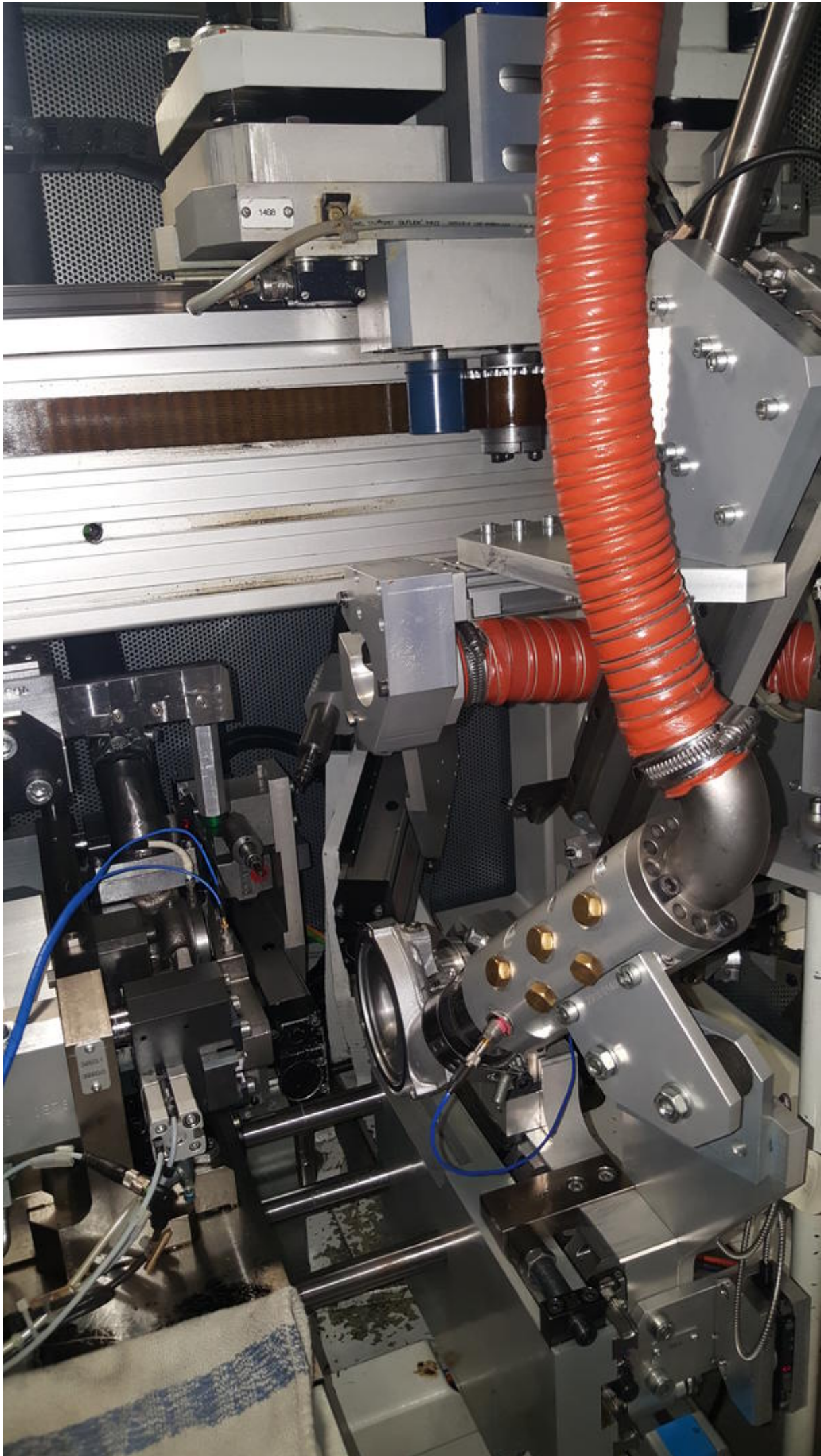








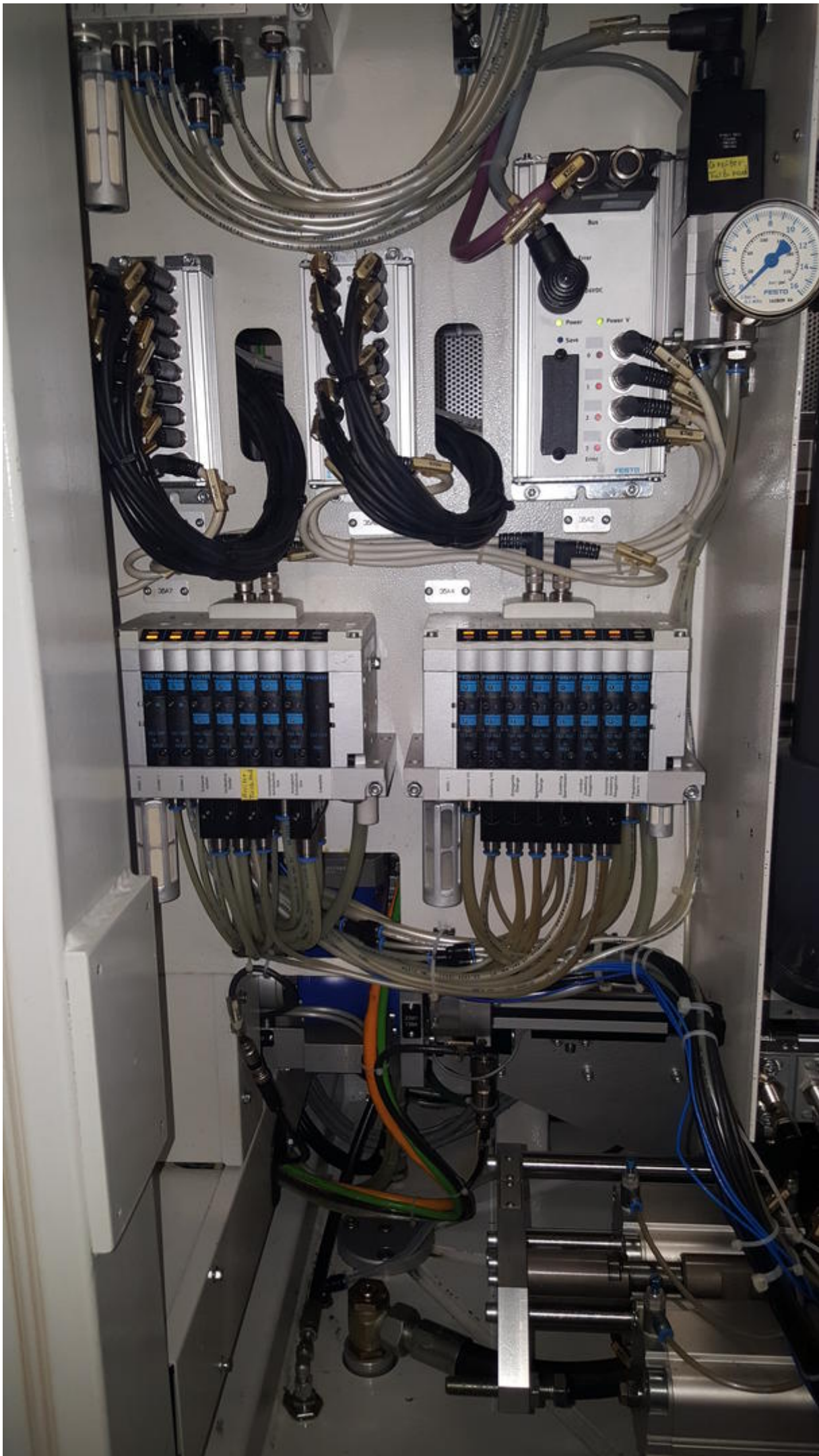




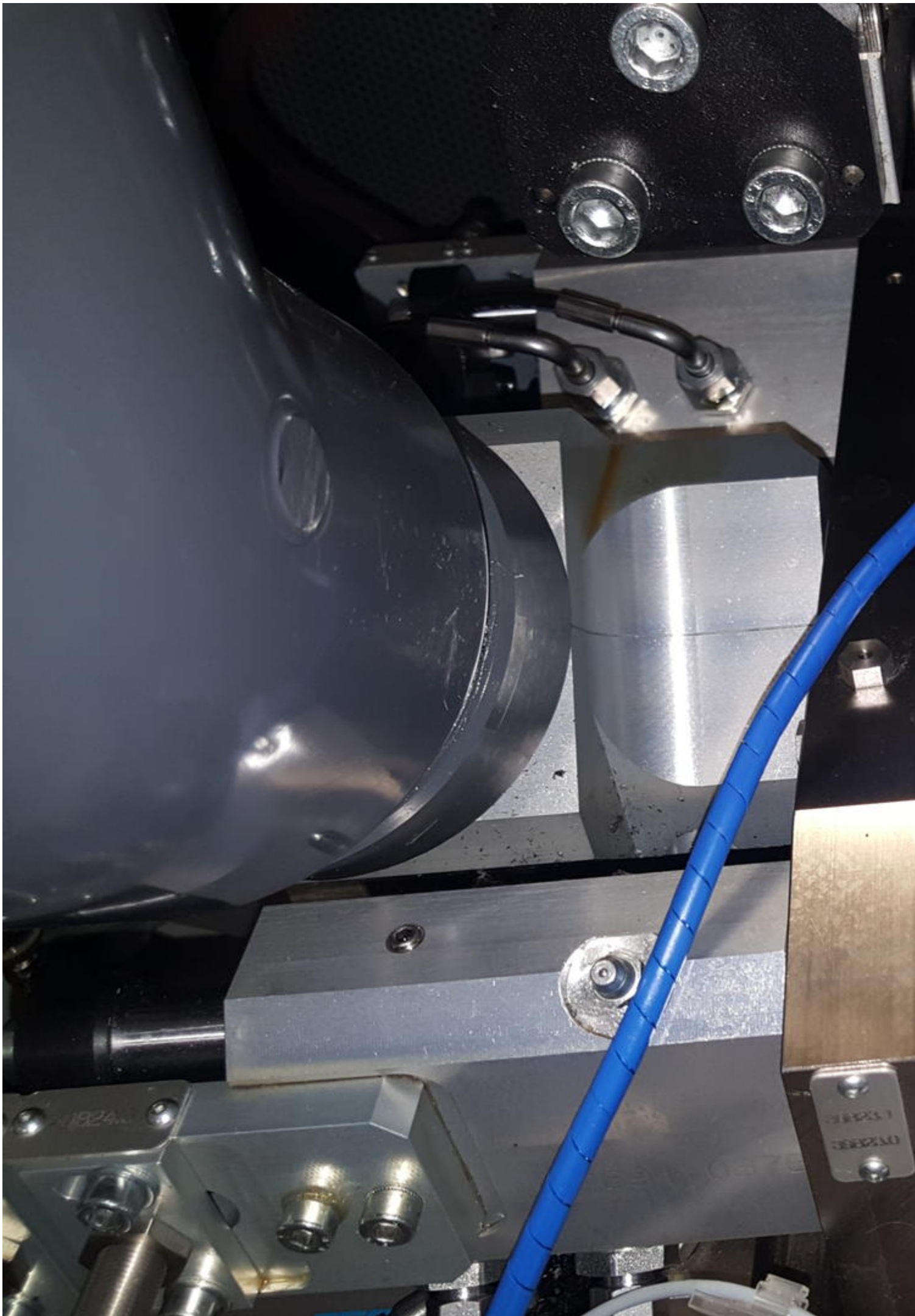




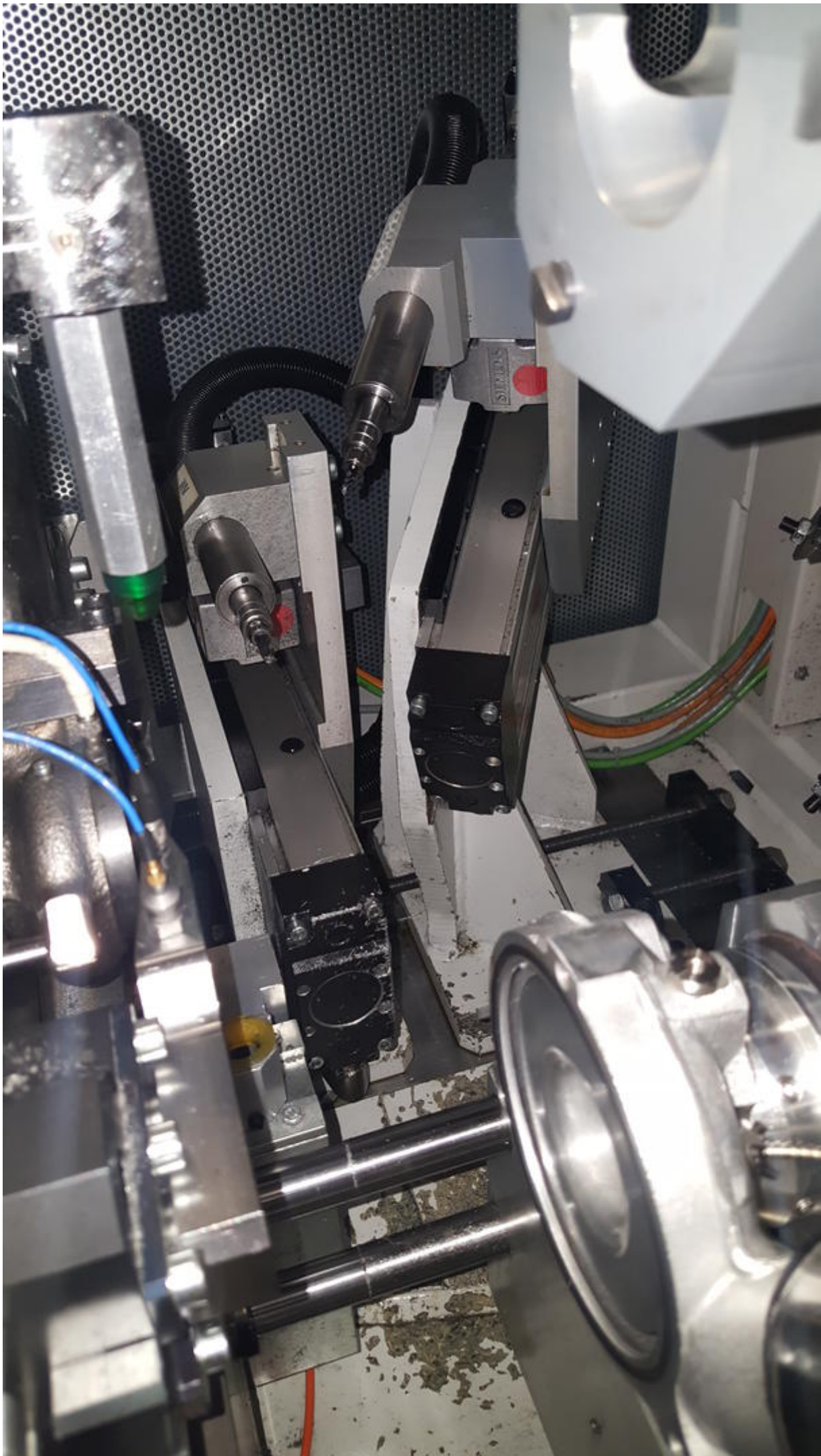




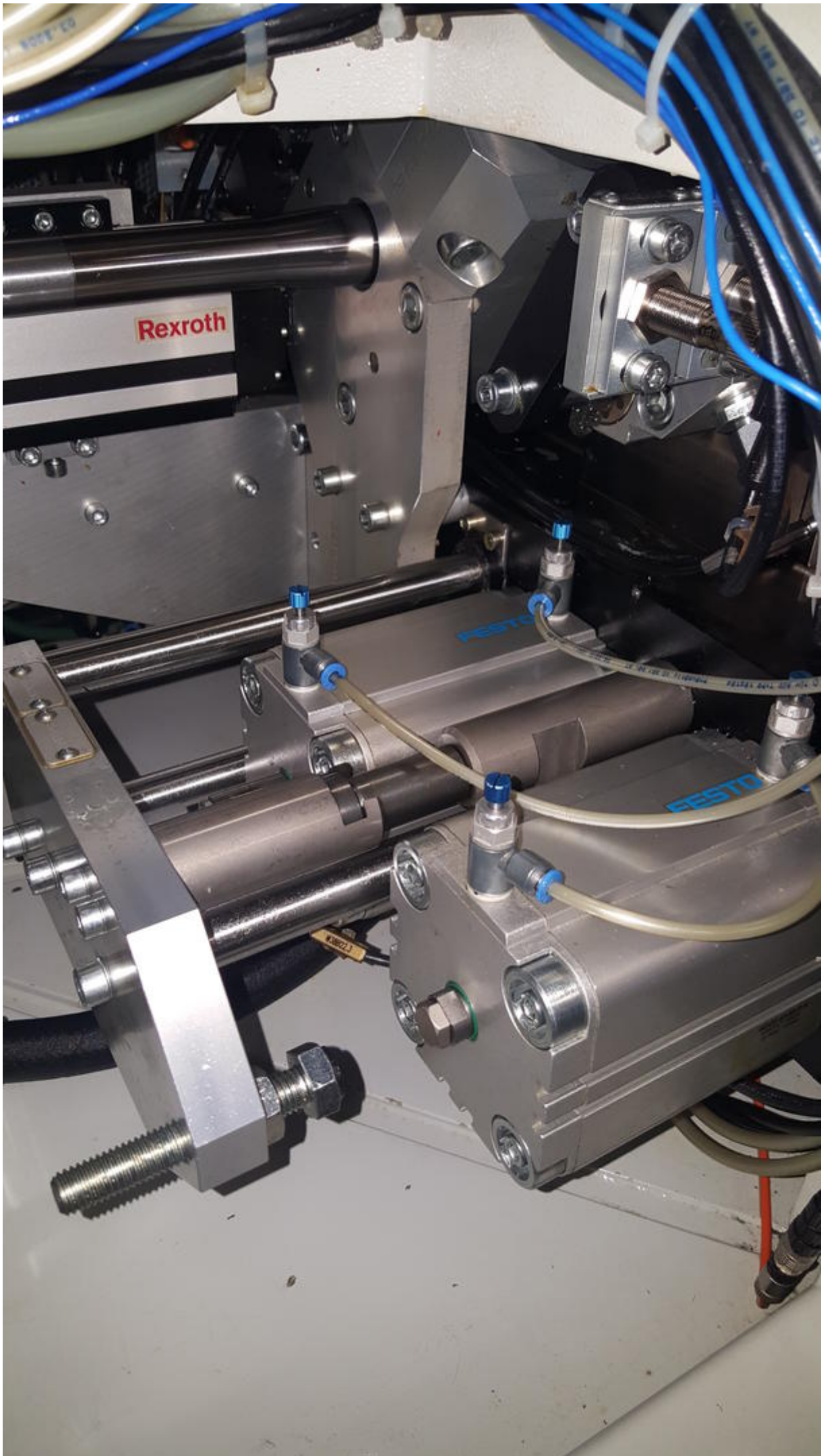








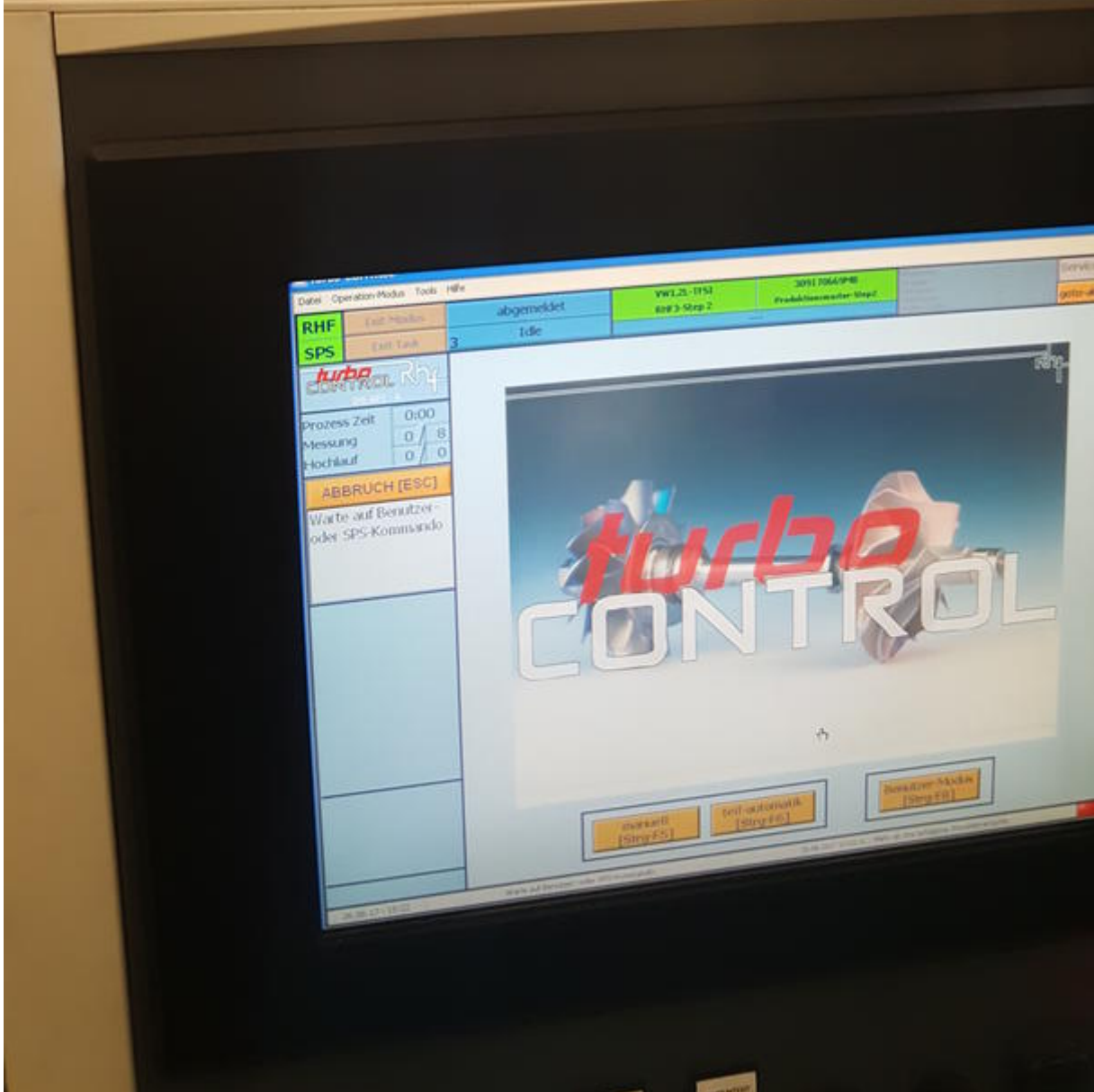














Maschinenbau Böhmer GmbH • Industrie

**Böhmer**

Maschinenbau

[www.boehmer.com](http://www.boehmer.com)

made in Germany

Kom. Nr. Kunde

45000000402

Baujahr

2009

Ser. Nr.

0909001 TC: 69066

Gewicht

220 kg



Maschinenbau

**Böhm**  
Maschinen

Kom. Nr. Kunde

Baujahr

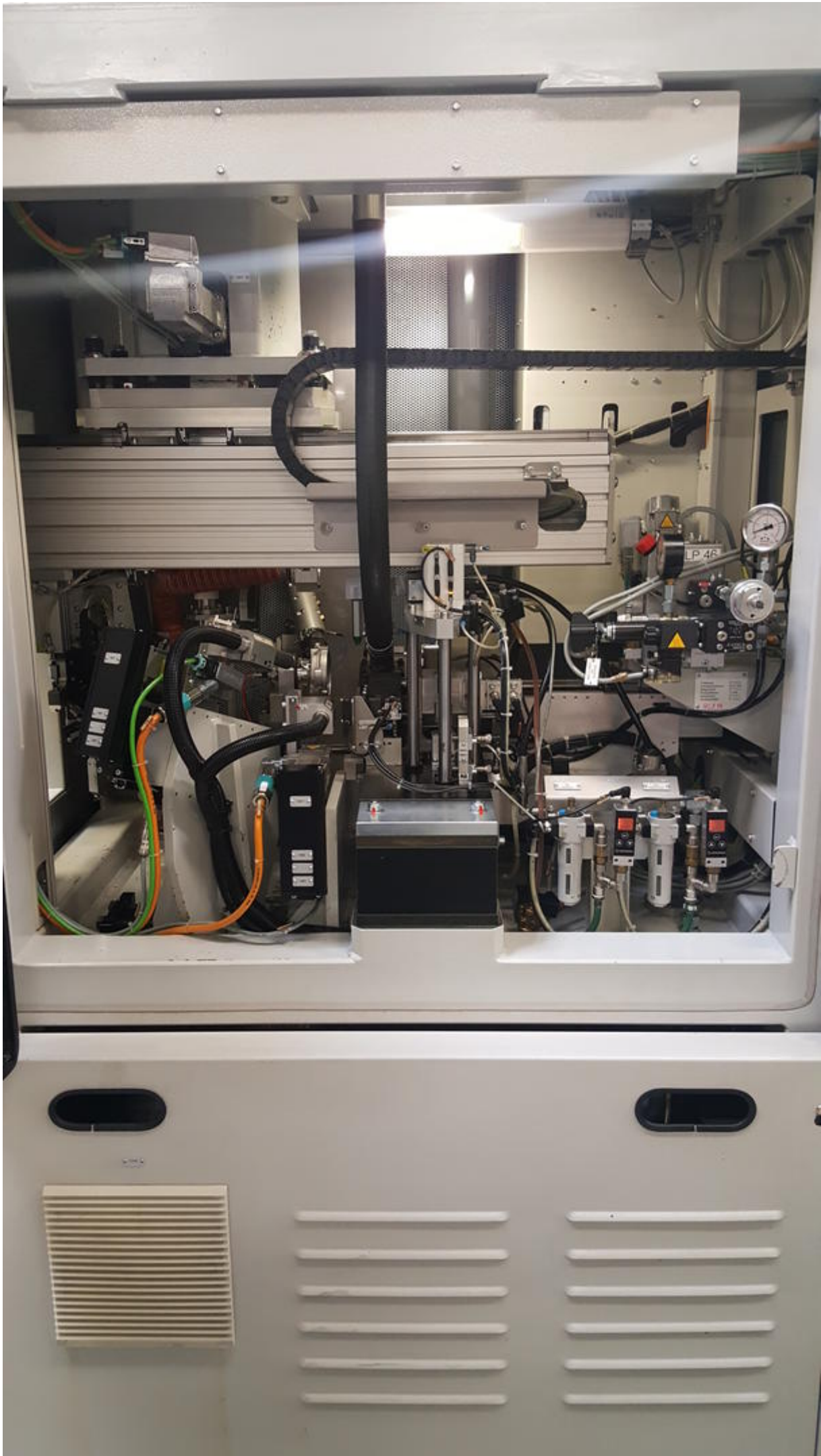
Ser. Nr.

Gewicht





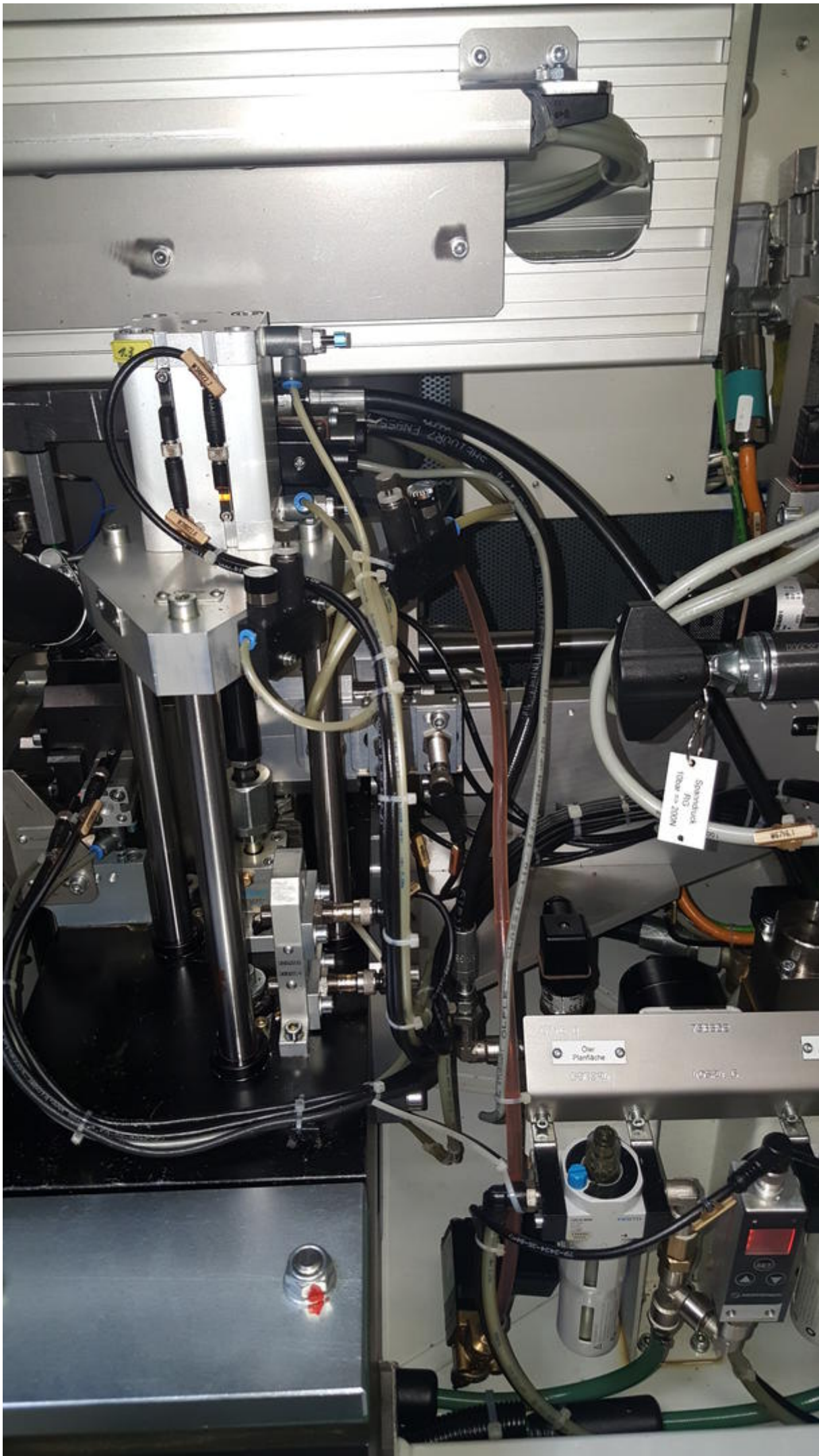




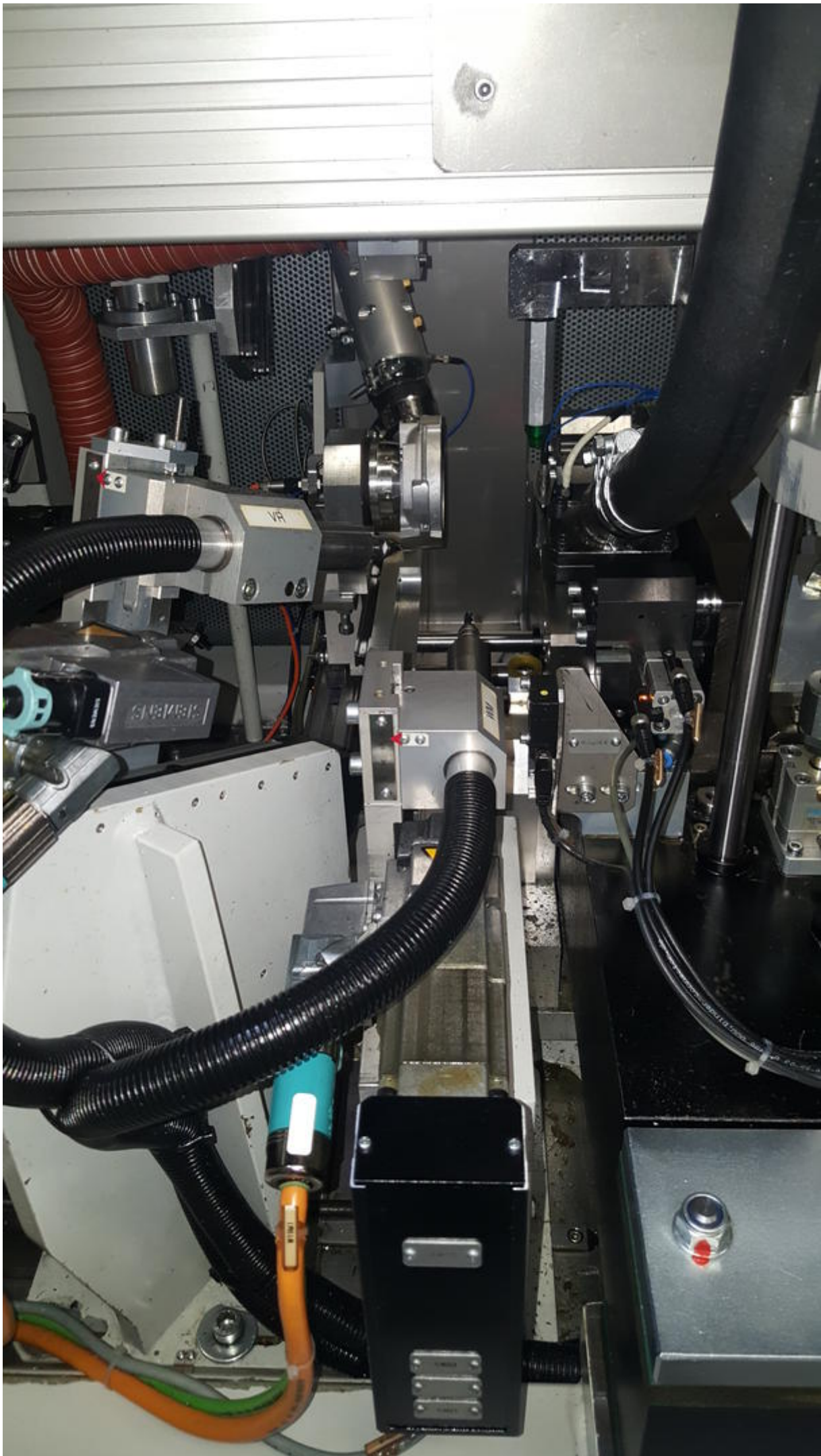








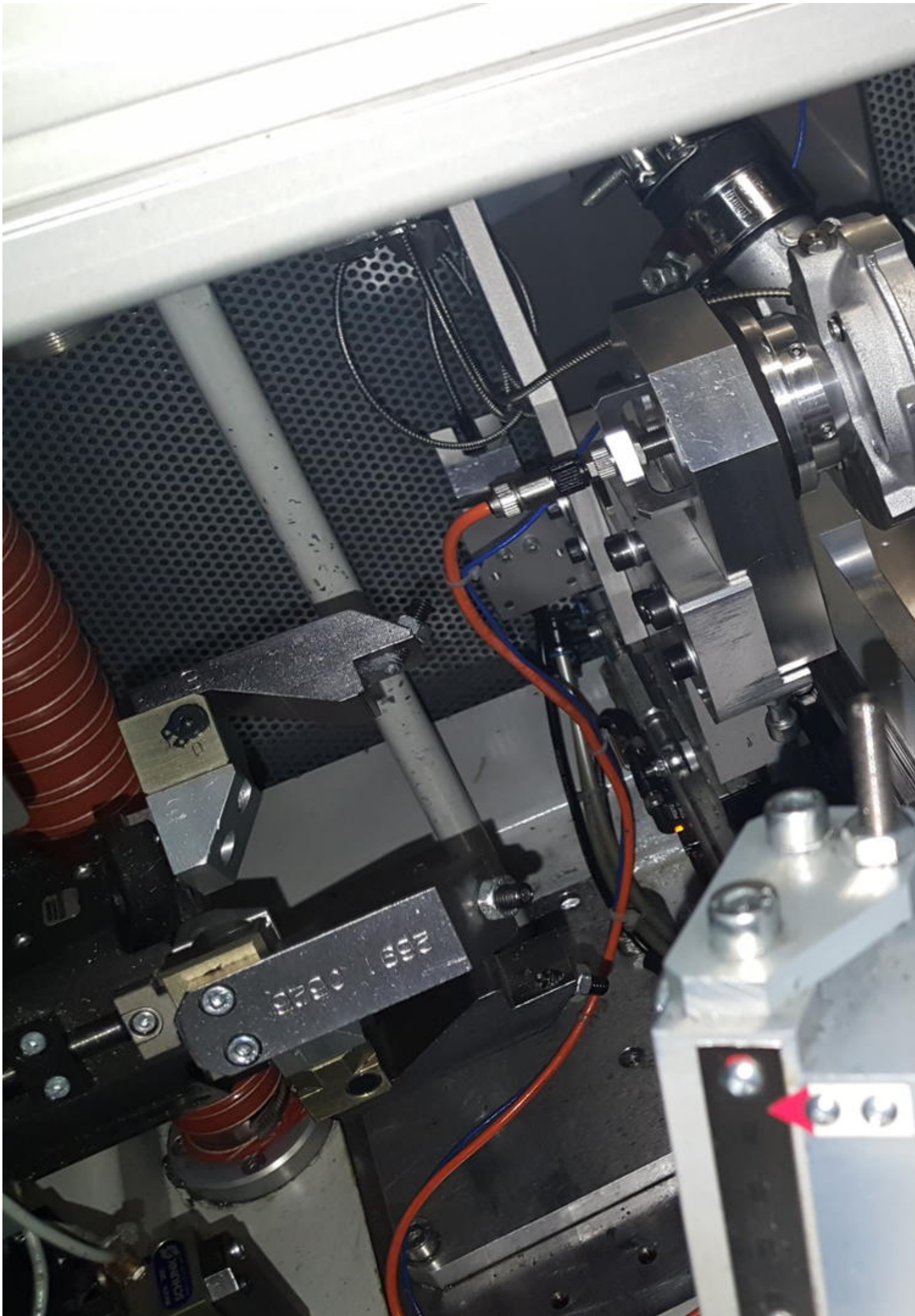








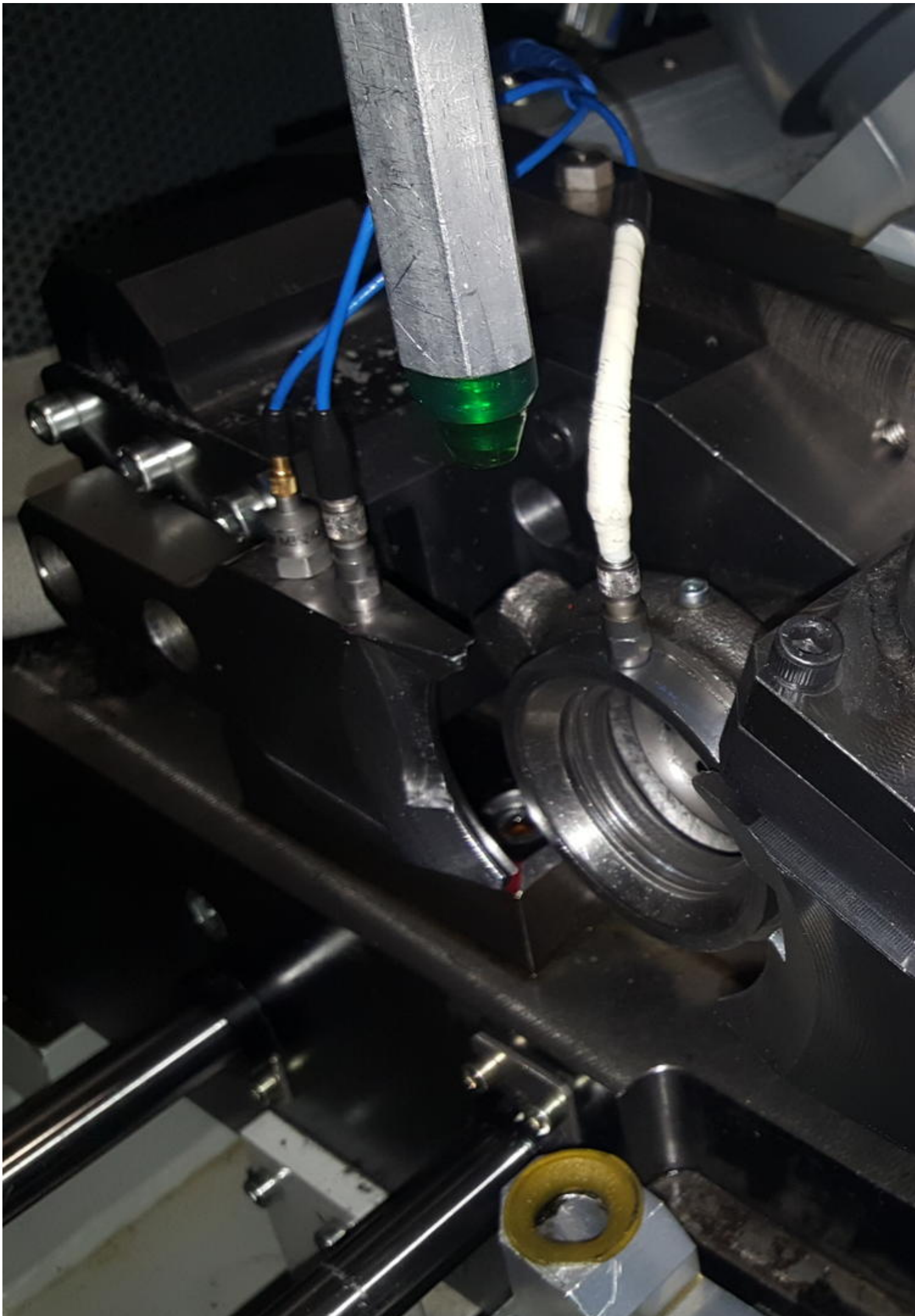








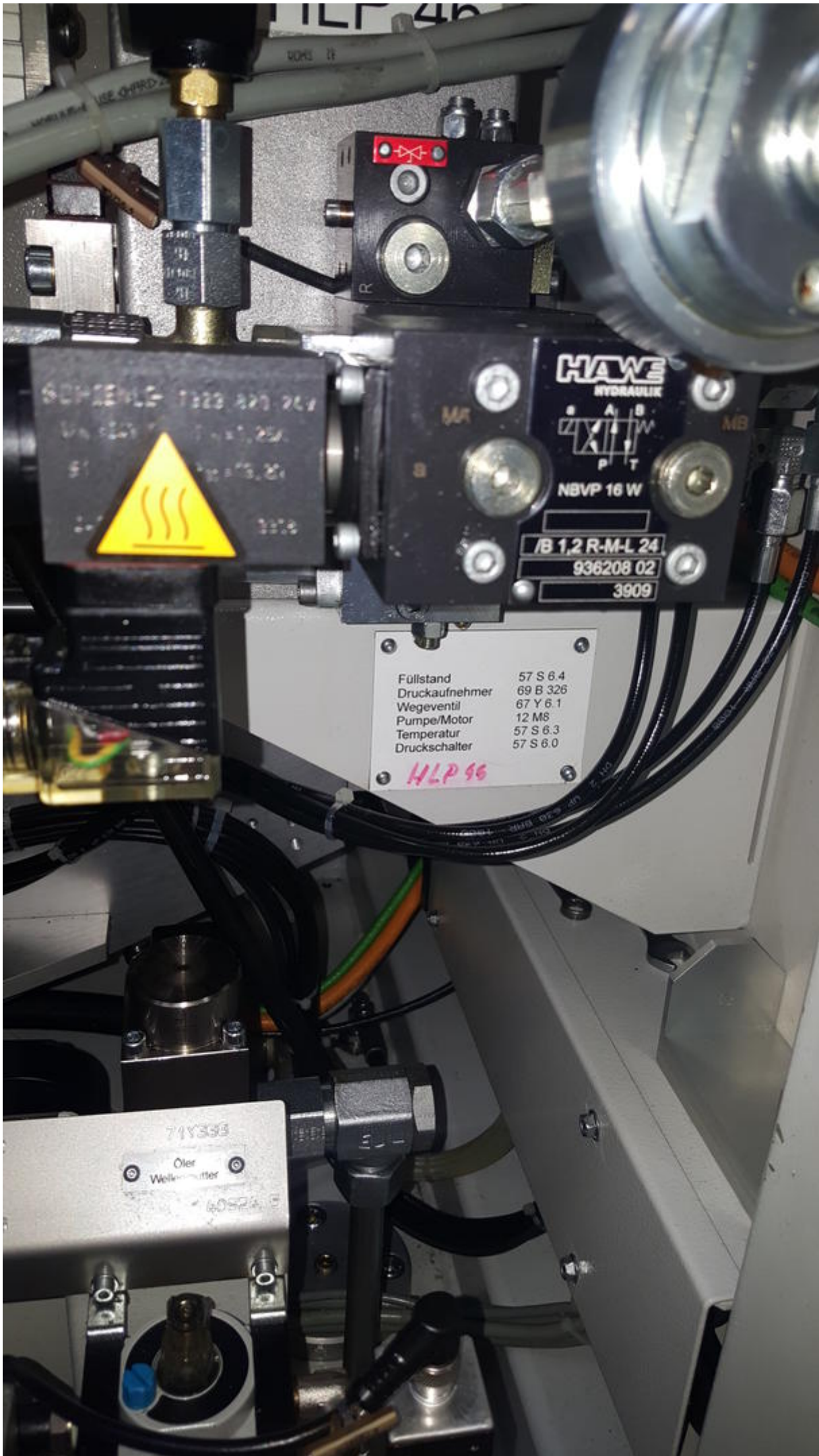












SCHENKLE 1323 220 264  
Vn 220 1 1,25  
51 1,25  
3378



**HAWE**  
HYDRAULIK

MA MB

S A B  
P T

**NBVP 16 W**

**/B 1,2 R-M-L 24**  
**936208 02**  
**3909**

Füllstand	57 S 6.4
Druckaufnehmer	69 B 326
Wegeventil	67 Y 6.1
Pumpe/Motor	12 M8
Temperatur	57 S 6.3
Druckschalter	57 S 6.0


**HLP 96**


71Y353

Oler  
Wellenritzer

60524 5



 **SCHENCK**

 **SCHENCK**

High-Speed Balancing  
B02-HSB

**RETS0003**

Ordernummer:  
1.1.6.02

Inhalt: Techn.Doku

- 1 Allgemeine Info
- 2 Sicherheit
- 3 Technikoaten, Zertifik.
- 4 Montage, IB
- 5 Verfahren, Werkzeuge
- 6 Betrieb der Maschine
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- 10 Anhang – Fremddoku

Stand: 27.09.2010


1 von 1



SCHENCK

SCHENCK

Inhalt:  
1 Allg.  
2 Sich.  
3 Tec.  
4 Mon.  
5 Verf.  
6 Bet.  
7 Wa.  
8 Elek.  
9 Mec.  
10 Anh.  
Stand:

The  Group

The  Group











Antirutschmatten (2x) zum sicheren  
Transport der Wuchtkabine

- Wuchtkabine mit geeigneten Gurten auf Ladefläche sichern
- Beim Transport mit Stapler Antirutschmatten verwenden
- Gewicht Wuchtkabine: 3100 kg

Nachbearbeitung:	Kommission:	Stückzahl:	Maßstab: 1:20	Masse:
			Werkst.:	Rohmaß:
			Werkst. Nr.:	Fertigmaß:
Schutz- vermerk nach DIN ISO 16016			Datum 07.10.2009 A. Richter	
Schutz- vermerk nach DIN ISO 16016			Datum 16.11.2009 A. Richter	
Abgimmleranz nach DIN ISO 2768			Art-Nr.: 2691 1000T	
Spez.: Freigegeben			Zeichn. Nr.: 2691.1000T	

3

2

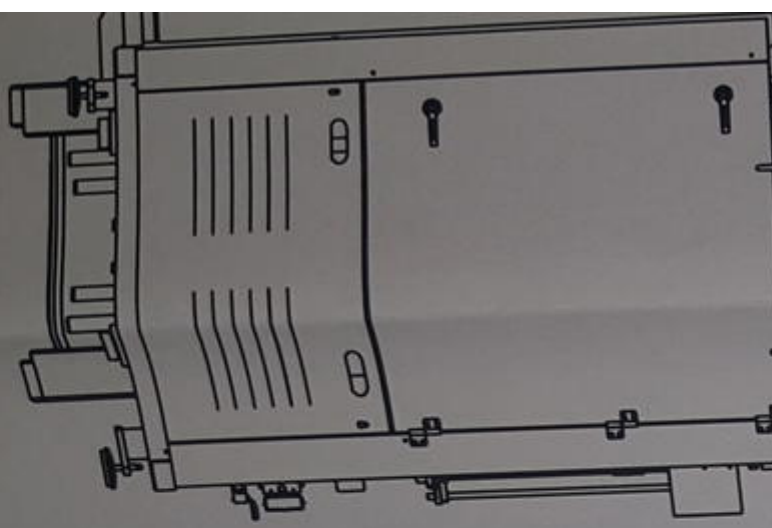
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1/1

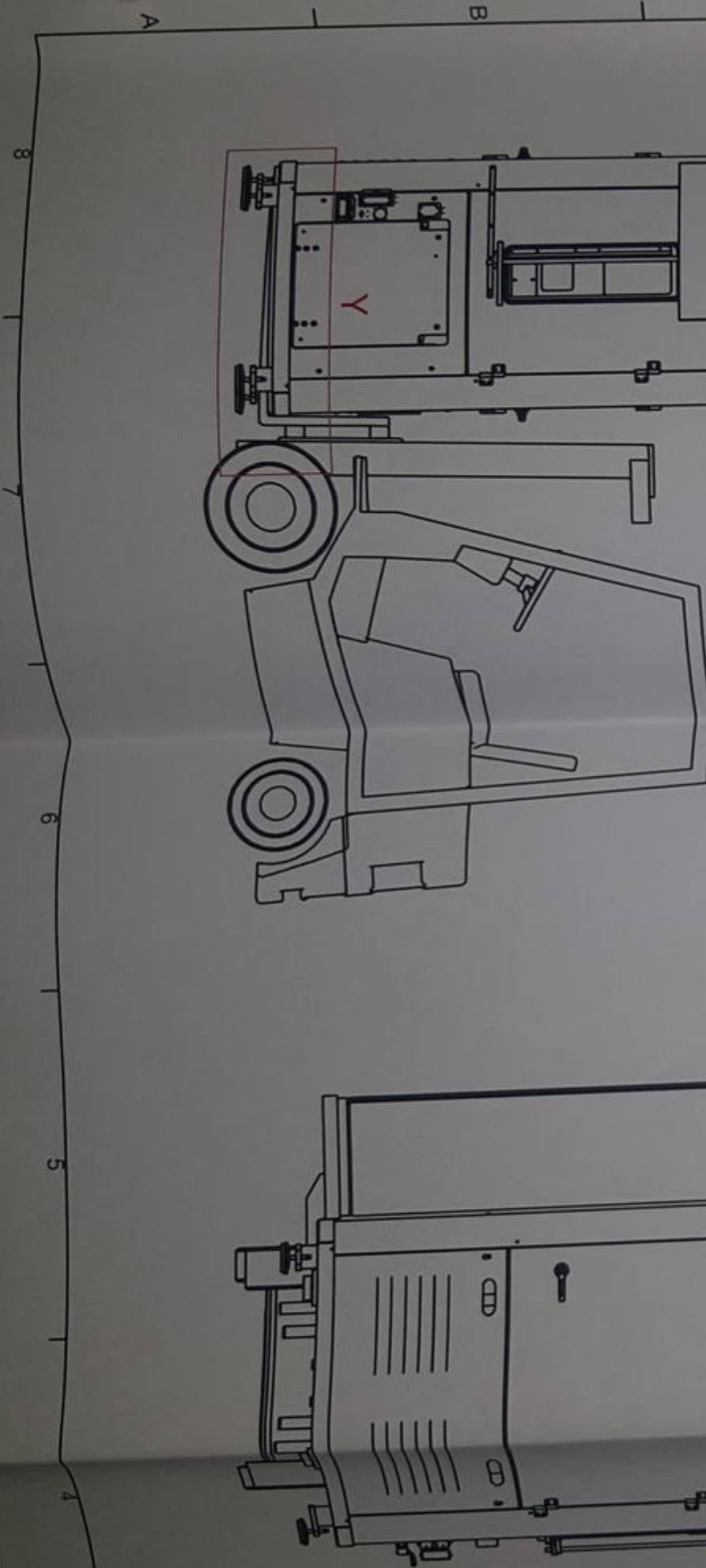
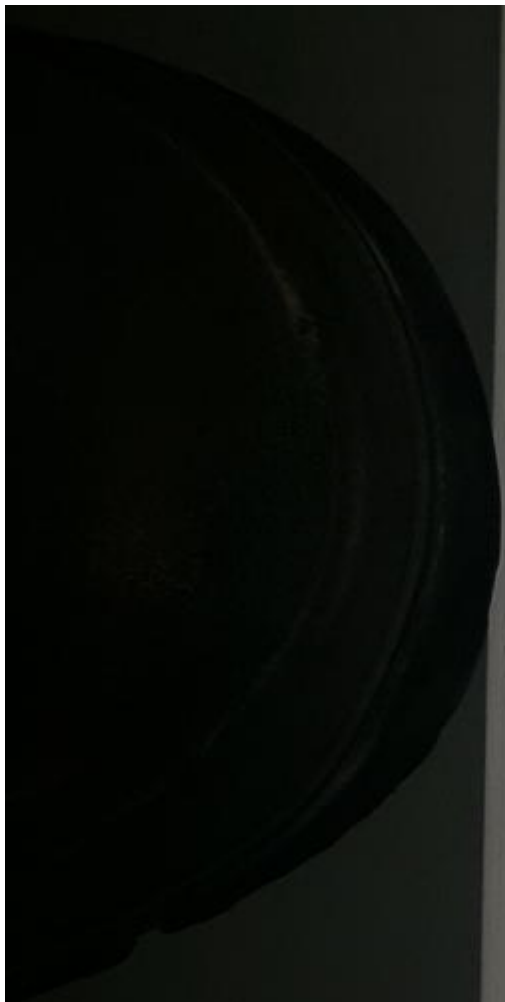
A

B

4









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