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Ref. No.:  
1440-10081600

## Overview and Technical Data:

### Used ENGEL ES 11050/900 Duo Injection molding

[ENGEL](#)



Year of Build:  
Jan 2001

## Description:

### Used ENGEL ES 11050/900 Duo Injection molding

#### Technical Data

- **ENGEL ES 11050/900**
- Screw size: 105 mm

- Injection shot weight in Polyesterol: 4.940 cm<sup>3</sup>
- Theoretical shot capacity g
- Closing pressure: 9000 kN
- Total power requirement kW
- Weight of the machine ca. 33-18 t

- **ENGEL Robot ERC 83/1-E**
- X-Aixs Length : 1.300 mm
- X-Aixs Length : 1.300 mm
- X-Aixs Length : 1.300 mm

Out of serial production

Machine is condition regularly checked by EngelCare program

Linear robot on machine was fully refurbished in 2021

## **Technical Data:**

## **Technical Data:**

Control:

[ENGEL](#)

## **Dimensions and Weight:**

Weight:

510.000 kg

## **Buyer Information:**

Condition:

[Very good condition](#)

Available:

[Immediately](#)

Sold as:

[Free Loaded on Truck \(LOT\)](#)

VAT:

[19 %](#)

Location:

Germany

## **Images:**



ERSTSTÜCKPRÜFUNG

Spritzguss Maschine  
ENGEL 900  
Produktion  
G 18 Anlaufzeit VI  
G 18 Anlaufzeit VI

TPM/MASCHINENBUCH

Quick Change Over

OEE Line

Improvement Actions

Quality Alert

Platzhalter für  
Quality Alert!  
Aktuell keine  
Themen

PCI/ABS

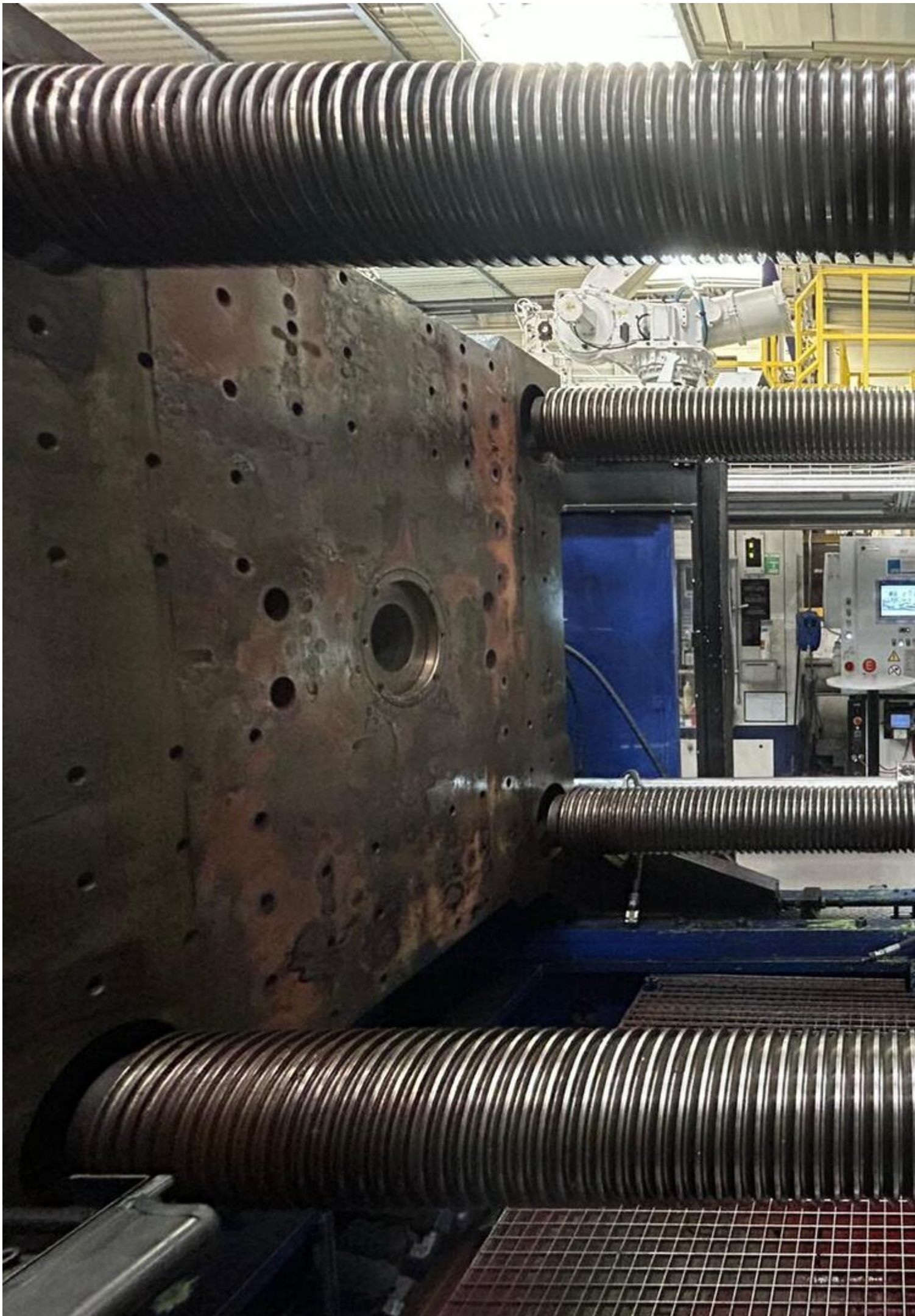




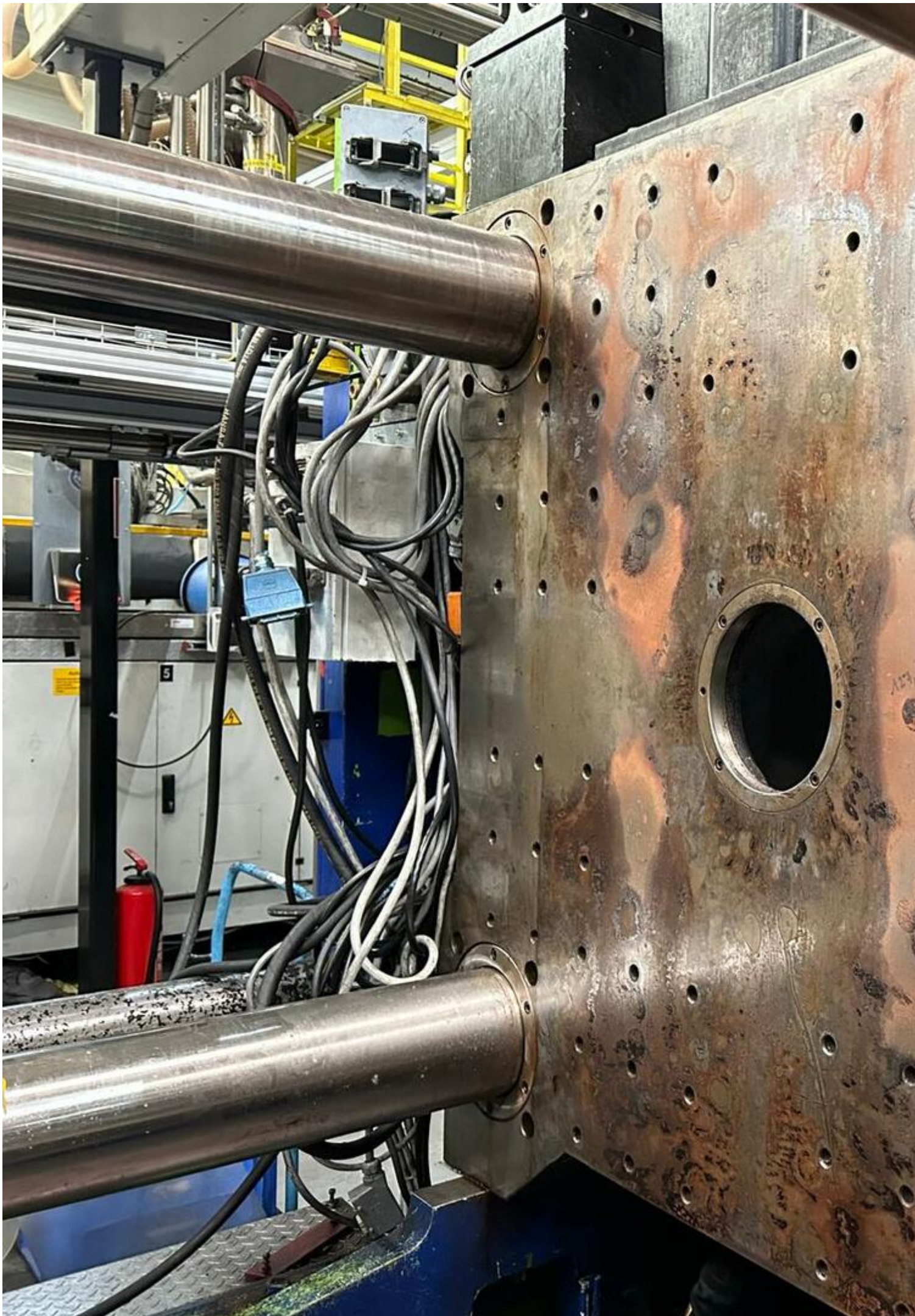








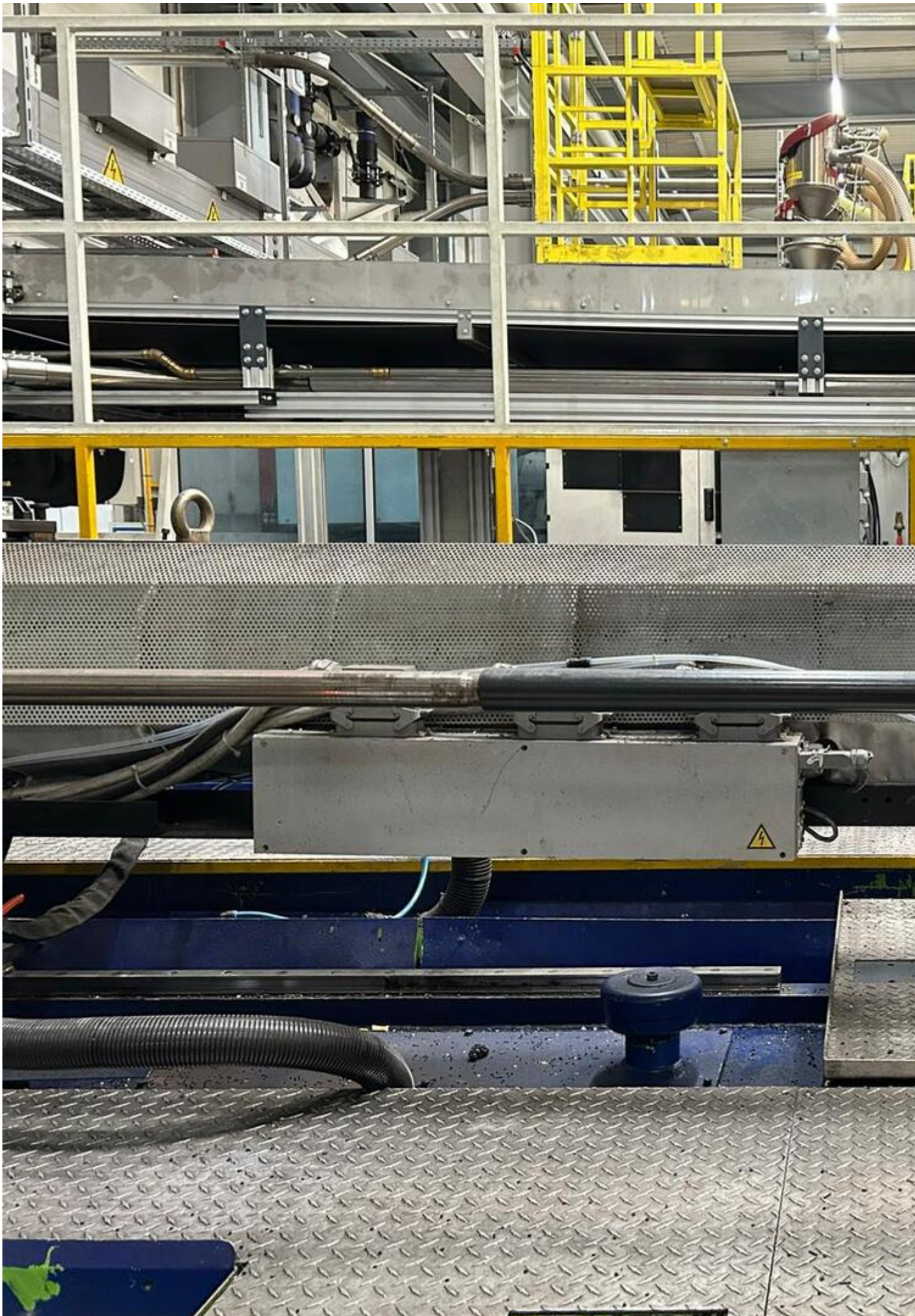
















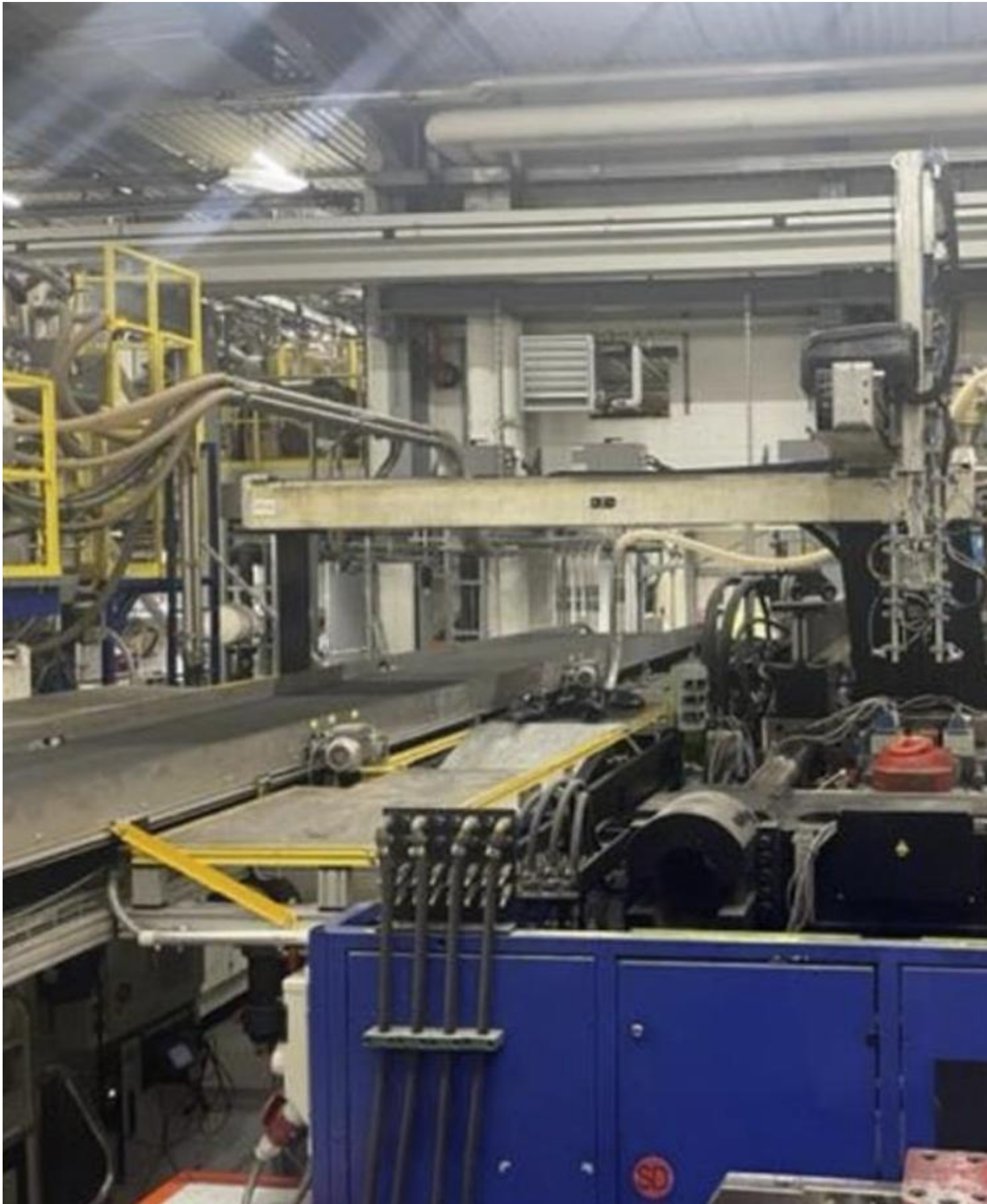
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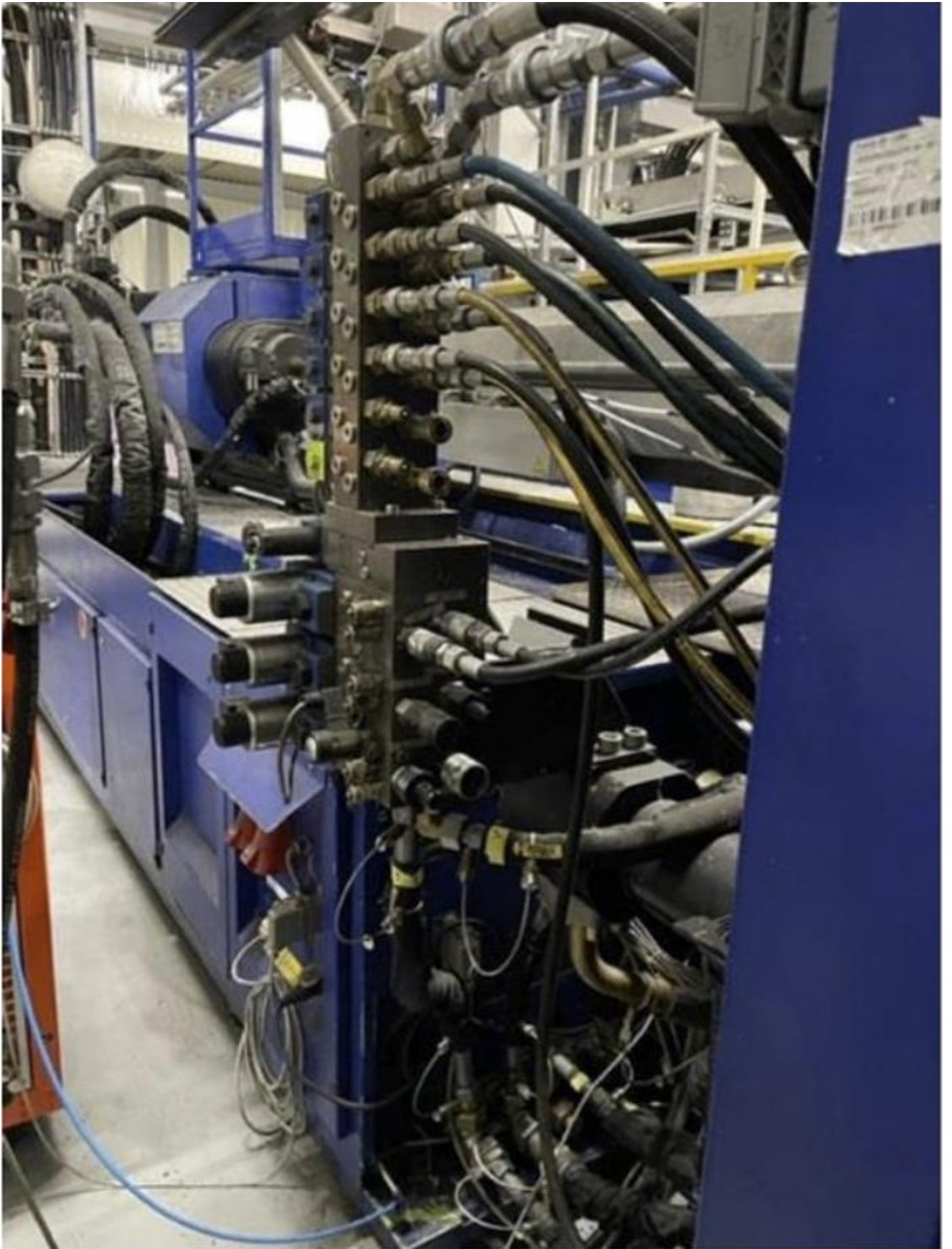


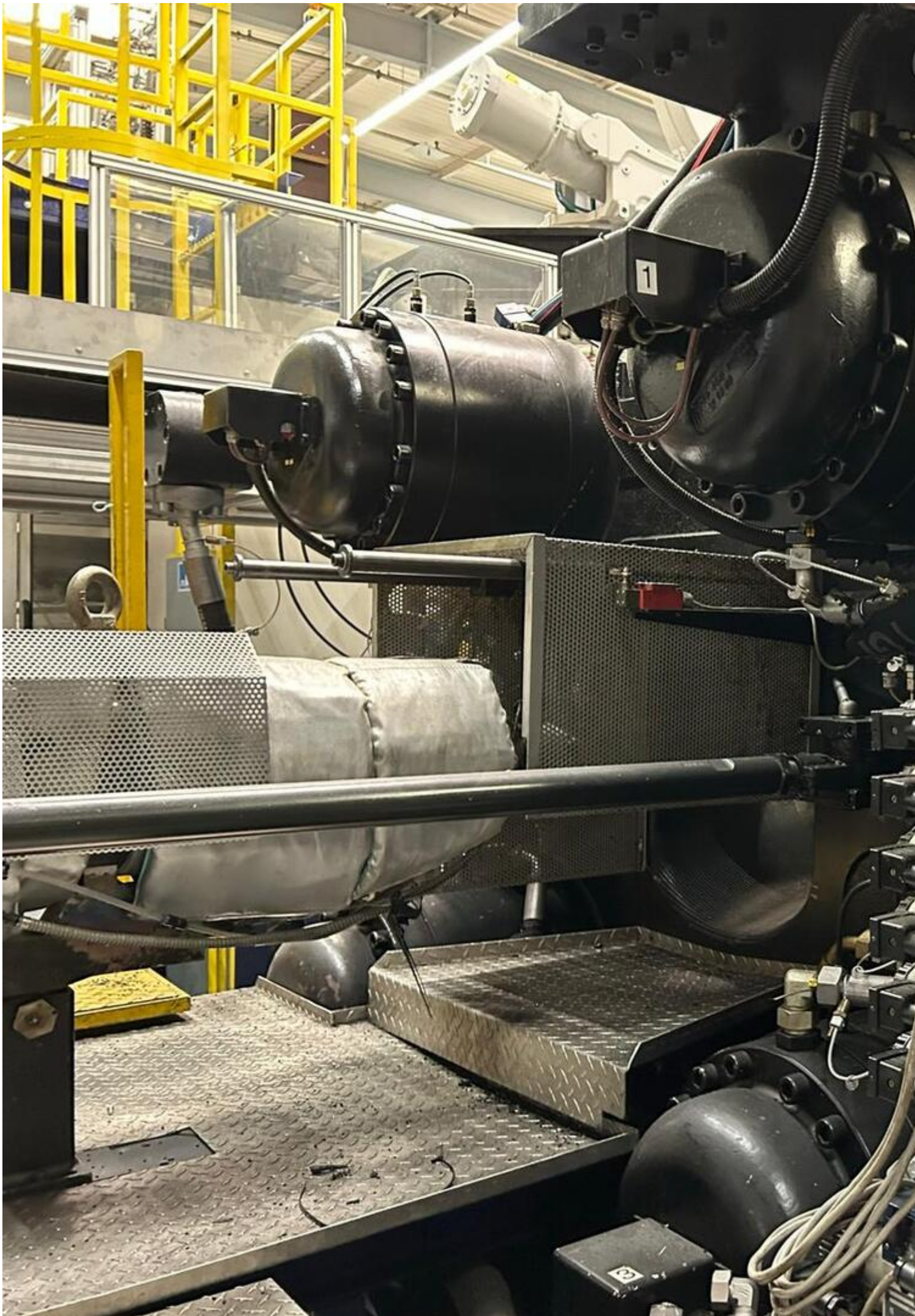
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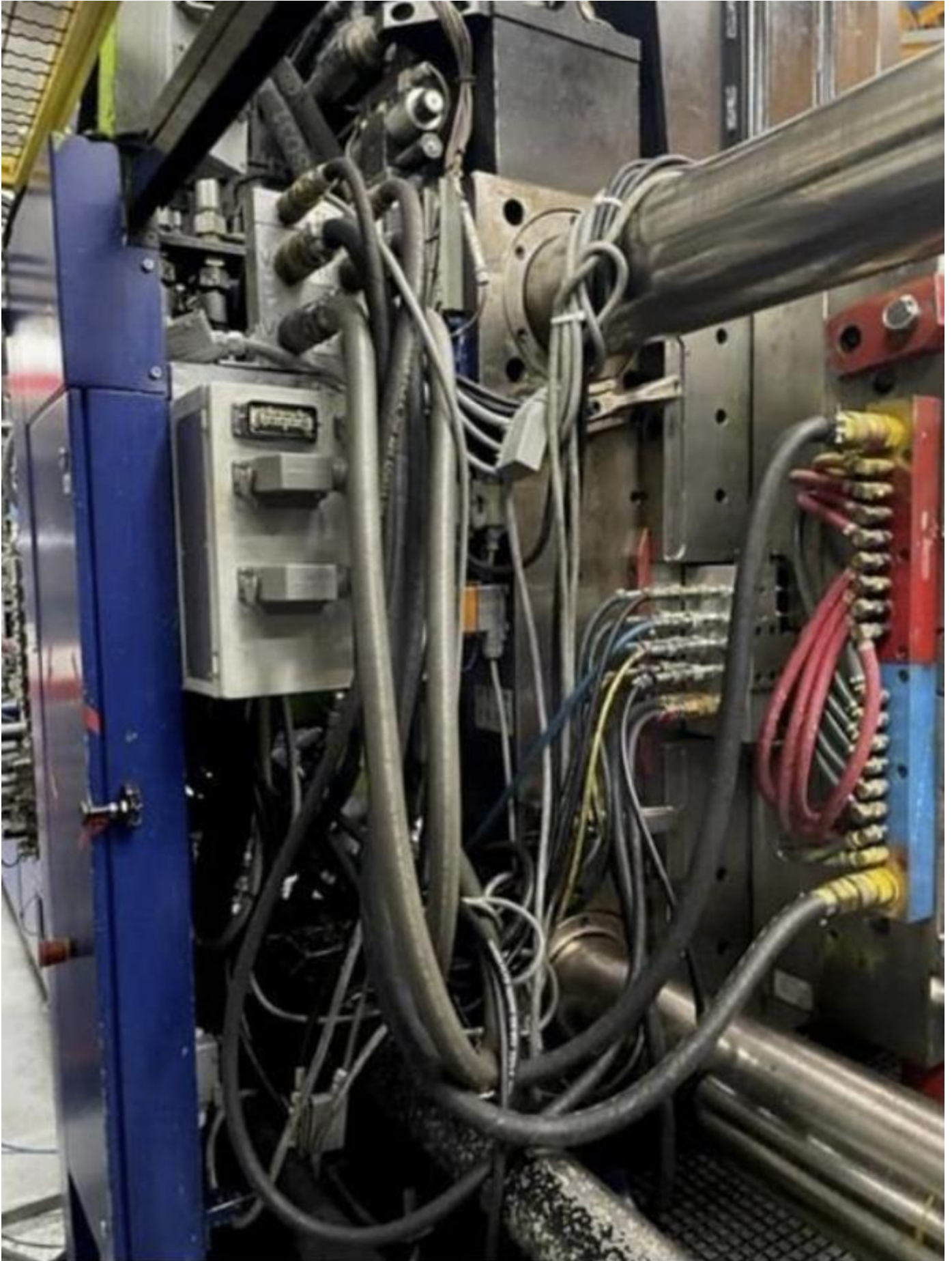


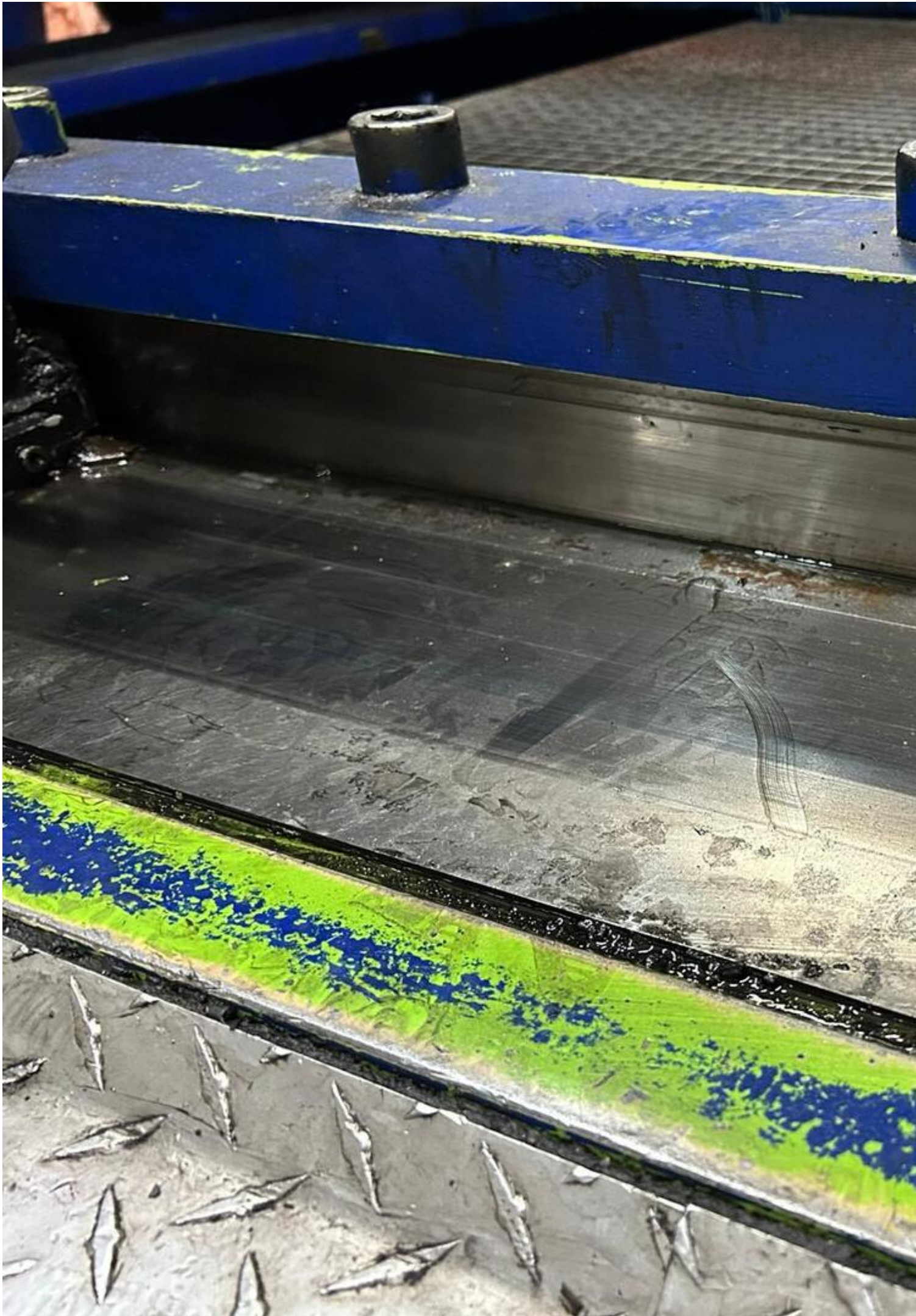












| No.                                 |   | IMM-OEM             |   | Machine Type/Model |        | Type  | Tonnage                             | Serial No.                     | Y.o.M.                              | Controller      | Language                 | Robot-OE                     |
|-------------------------------------|---|---------------------|---|--------------------|--------|---|-------------------------------------|--------------------------------|-------------------------------------|-----------------|--------------------------|------------------------------|
| 604                                 |   | Plant               |   | Neustadt           |        |   |                                     | 44568                          | 2001                                | CC100           | GE                       | ENGEL                        |
| INJECTION UNIT - Designation        |   |                     | 11050                                     |                    |        | CLAMPING UNIT - Force                       |                                     |                                | 9.000 kN                            |                 |                          | X-Axis len                   |
| Injection technology                |   |                     | 1 K                                       |                    |        | Clamping Mechanism                          |                                     |                                | 2-Platen                            |                 |                          | Y-Axis len                   |
| Theoretical shot capacity cm³       |   |                     | 4.940 cm³                                 |                    |        | Platen Size Horizontal                      |                                     |                                | 1.650 mm                            |                 |                          | Z-Axis len                   |
| Theoretical shot capacity g         |   |                     | 4.446 g                                   |                    |        | Platen Size Vertical                        |                                     |                                | 1.515 mm                            |                 |                          | A-Axis typ                   |
| Max injection pressure              |   |                     |   |                    |        | Tiebars <input checked="" type="checkbox"/> |                                     |                                | Drop-out-chute                      |                 |                          | B-Axis typ                   |
| Max injection rate                  |   |                     |   |                    |        | Distance between tiebars Horizontal         |                                     |                                | 1.170 mm                            |                 |                          | C-Axis typ                   |
| Theoretical Plasticisation Capacity |   |                     |   |                    |        | Distance between tiebars Vertical           |                                     |                                | 1.000 mm                            |                 |                          | Reach                        |
| Screw Ø 1                           | 105 mm                                    | Shut-off Nozzle     | NO  |                    |        | Min mold height                             | 500 mm                              | Locating ring Ø                | 250 mm                              |                 |                          | QCS-Type                     |
| Screw Ø 2                           |   | S.drive T.          | H   | Nozzle Ø           | 6,0 mm | Max mold height                             | 1.100 mm                            | Extended daylight              |                                     |                 |                          | Thickness                    |
| S. speed                            |   | Zyl. Zones          | 6   | IU1 Stroke         |        | Opening stroke                              | 1.600 mm                            | Daylight                       | 2.100 mm                            |                 |                          | Pump Pow                     |
| S. Stroke                           |   | L/D Ratio           | 22  | IU2 Stroke         |        | Ejector plate                               | <input checked="" type="checkbox"/> | Accumulator 1 - 8: 1           | 2                                   |                 |                          | Length                       |
| S. design                           | M3, S1, Radius 35                         |                     |   |                    |        | Ejector stroke                              | 300 mm                              | Ejection FAP                   |                                     |                 |                          | Comment                      |
| Motion Driver                       |   | Hopper              | Wittmann                                  |                    |        | Ejector force                               |                                     | Ejection BAP                   |                                     |                 |                          |                              |
| D.Technology                        | Hydraulic                                 | Movement            | Simultaneous                              |                    |        | TCU IF                                      |                                     | Robot IF                       | <input checked="" type="checkbox"/> | Traceability IF | <input type="checkbox"/> | CP: Type1                    |
| Variable frequency distributor      | <input type="checkbox"/>                  | Zylinder Insulation | <input type="checkbox"/>                  |                    |        | HZ: FP                                      |                                     | HZ: Type1                      | EMP14                               |                 |                          | CP: Type2                    |
| Chemical Blow Agent Package         | <input type="checkbox"/>                  | Masterbatch Signal  | <input type="checkbox"/>                  |                    |        | HZ: MP                                      |                                     | HZ: Type2                      |                                     |                 |                          | CP:>FP                       |
| FP>QtyT1                            | <input type="checkbox"/>                  | 1:                  |   |                    |        | EMP14 Power                                 | HA: 09300160301+09330162701         |                                |                                     |                 |                          |                              |
| FP>QtyT2                            | <input type="checkbox"/>                  | 2:                  | WP: LP-019-2-WR 033-21-2, Brass/LP-019-0  |                    |        | EMP14 Thermocouples                         | HA: 09200160301+09200162612         |                                |                                     |                 |                          |                              |
| FP>QtyT3                            | <input type="checkbox"/>                  | 3:                  | WP: LP-012-2-WR 026-21-2, Brass/LP-012-2- |                    |        | S-500 Po.+ Thermoc.                         |                                     |                                |                                     |                 |                          |                              |
| FP>QtyT4                            | <input type="checkbox"/>                  | 4:                  |   |                    |        | Comments                                    |                                     |                                |                                     | CP:< MiP        |                          |                              |
| MiP<QtyT1                           | <input type="checkbox"/>                  | 1:                  |   |                    |        | Sequential-Valve-Type                       | Hydraulic                           | Signals                        | 12                                  |                 |                          |                              |
| MiP<QtyT2                           | <input type="checkbox"/>                  | 2:                  |   |                    |        | HY:FP/MiP+MP/MiP                            | 6                                   | HY PA: H2-62-BSPP / H2-63-BSPP |                                     |                 |                          |                              |
| MiP<QtyT3                           | <input type="checkbox"/>                  | 3:                  |   |                    |        | PN:MP/MiP+MP/MiP                            |                                     | PN                             |                                     |                 |                          |                              |
| MiP<QtyT4                           | <input type="checkbox"/>                  | 4:                  |   |                    |        | HA: 09300160301+09140160313+2x09140123101   |                                     |                                |                                     | CP:>MiP         |                          |                              |
| MiP>QtyT1                           | <input type="checkbox"/>                  | 1:                  |   |                    |        | Monitoring                                  |                                     |                                |                                     |                 |                          |                              |
| MiP>QtyT2                           | <input type="checkbox"/>                  | 2:                  |   |                    |        | P/T-FP/MiP                                  | PA: H4-62-BSPP / H4-63-BSPP         |                                |                                     |                 |                          |                              |
| MiP>QtyT3                           | <input type="checkbox"/>                  | 3:                  |   |                    |        | P/T-MP/MiP                                  |                                     |                                |                                     | CP:<MP          |                          |                              |
| MiP>QtyT4                           | <input type="checkbox"/>                  | 4:                  |   |                    |        | M. Coding:                                  | HA: 0920010251+09200102812          |                                |                                     |                 |                          |                              |
| MP<QtyT1                            | <input type="checkbox"/>                  | 1:                  |   |                    |        | Remarks:                                    | Mold coding via Symestic            |                                |                                     |                 |                          |                              |
| MP<QtyT2                            | <input type="checkbox"/>                  | 2:                  | WP: LP-019-2-WR 033-21-2, Brass/LP-019-0  |                    |        | Pneumatic Valves FP                         | <input type="checkbox"/>            | Pneumatic Valves MP            | <input type="checkbox"/>            |                 |                          |                              |
| MP<QtyT3                            | <input type="checkbox"/>                  | 3:                  |   |                    |        | AirBlow Off FP                              | <input type="checkbox"/>            | AirBlow Off MP                 | <input type="checkbox"/>            |                 |                          |                              |
| MP<QtyT4                            | <input type="checkbox"/>                  | 4:                  |   |                    |        | Pneumatic Circuits                          | <input type="checkbox"/>            | PN                             |                                     |                 |                          |                              |
| C-Remark:                           | Tool male and female WP with adapter hose |                     |   |                    |        | Vaccum Circuits                             | <input type="checkbox"/>            | VA                             |                                     |                 |                          |                              |
|                                     |   |                     |   |                    |        |   |                                     |                                |                                     |                 |                          | LOil:                        |
|                                     |   |                     |   |                    |        |   |                                     |                                |                                     |                 |                          | GIT <input type="checkbox"/> |





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

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Year of Build:  
Jan 2001

**Description:**

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- Theoretical shot capacity g
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- Weight of the machine ca. 33-18 t
  
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Linear robot on machine was fully refurbished in 2021

### **Technical Data:**

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Control:

[ENGEL](#)

### **Dimensions and Weight:**

Weight:

510.000 kg

### **Buyer Information:**

Condition:

[Very good condition](#)

Available:

[Immediately](#)

Sold as:

[Free Loaded on Truck \(LOT\)](#)

VAT:

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Location:

Germany

### **Images:**



ERSTSTÜCKPRÜFUNG

Spritzguss Maschine  
ENGEL 900  
Produktion  
G 18 Anlaufzeit VI  
G 18 Anlaufzeit VI

TPM/MASCHINENBUCH

Quick Change Over

OEE Line

Improvement Actions

Quality Alert

Platzhalter für  
Quality Alert!  
Aktuell keine  
Themen

PCI/ABS





Springer Washing Machine  
ENGEL 900

ERSTSTÜCKPRÜFUNG



TECHNISCHENBUCH



Quick Change Over Time

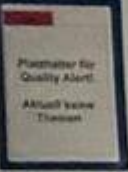
OEE Line



Improvement Actions



Quality Alert



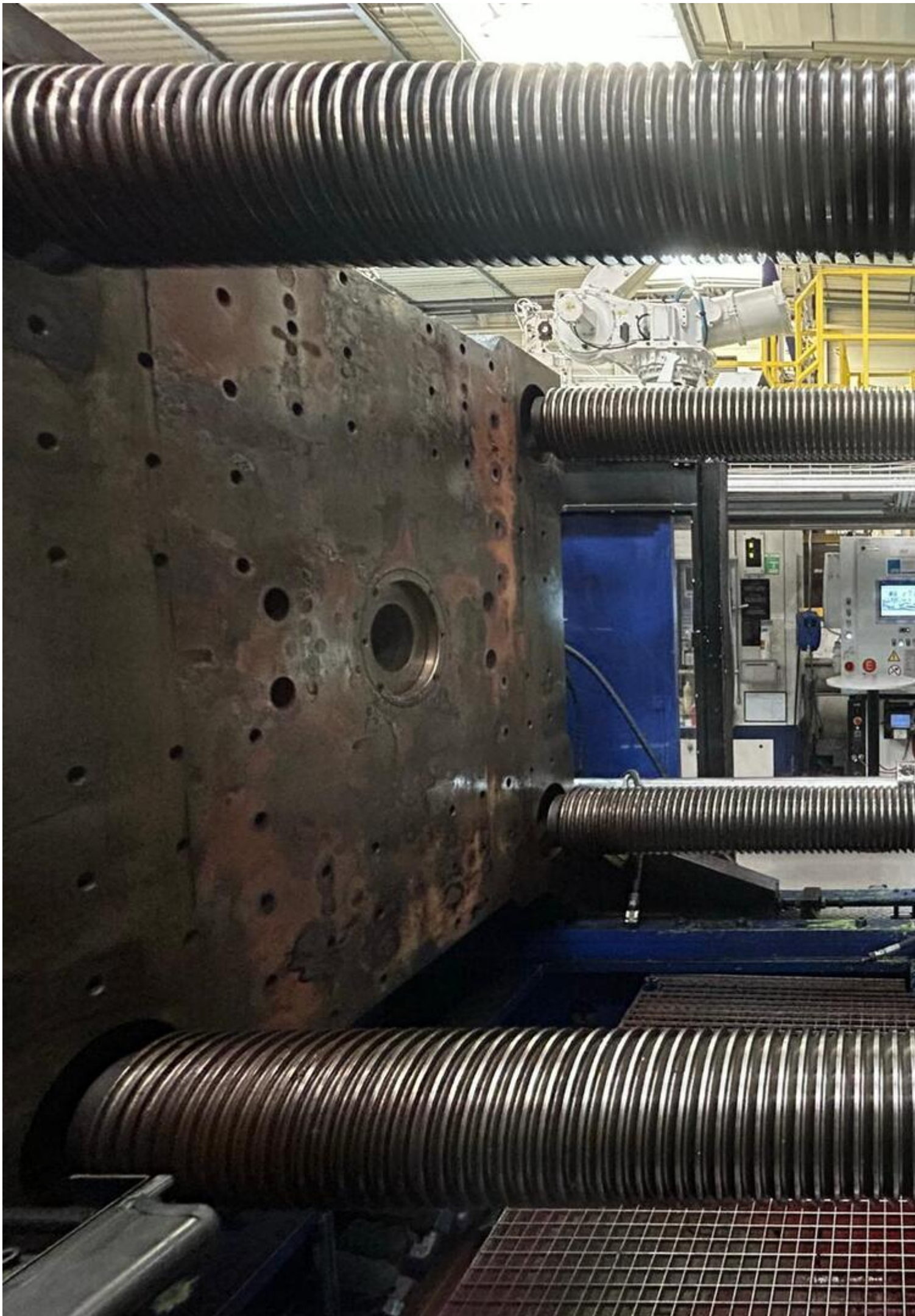
Fehlerbilder



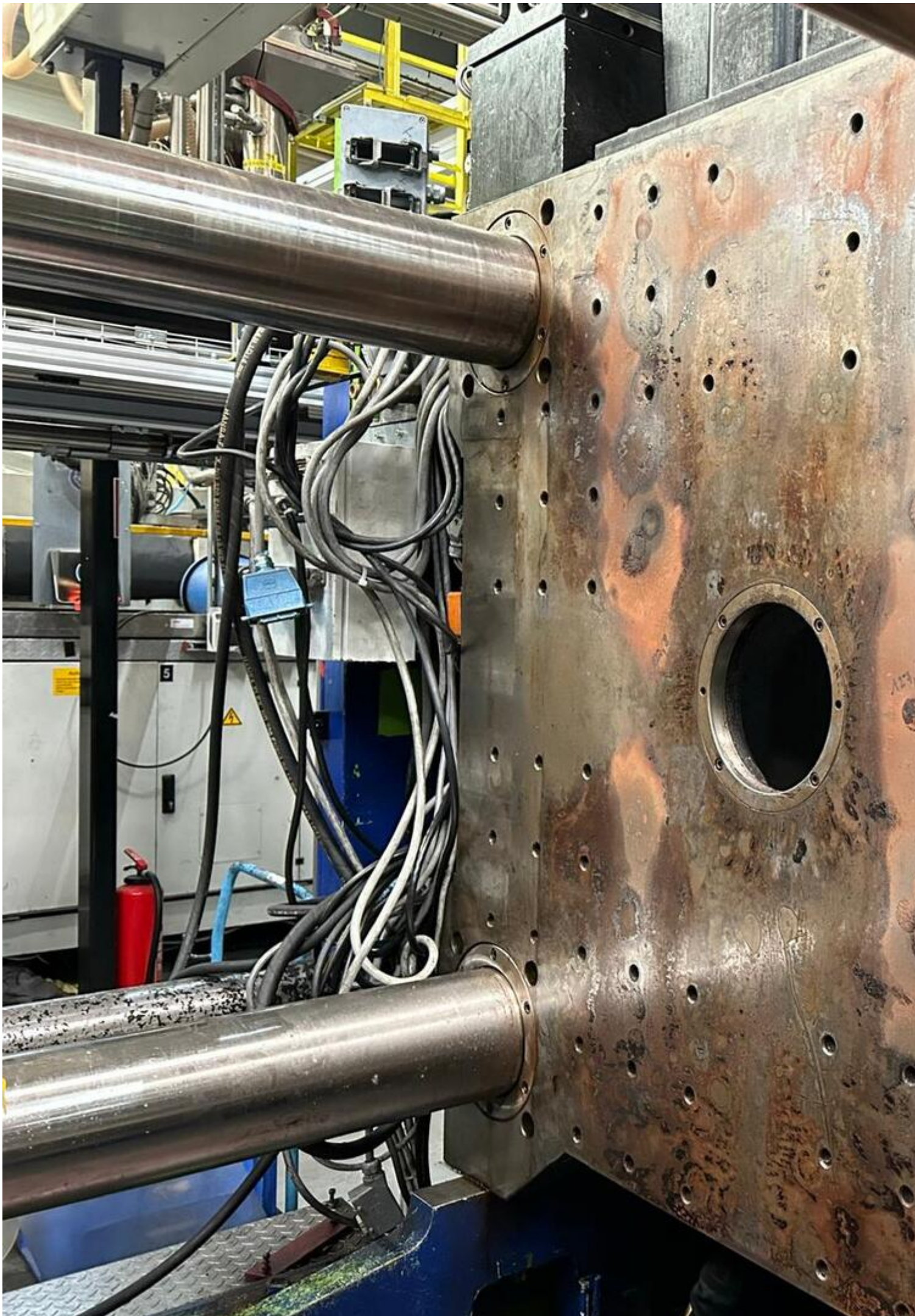








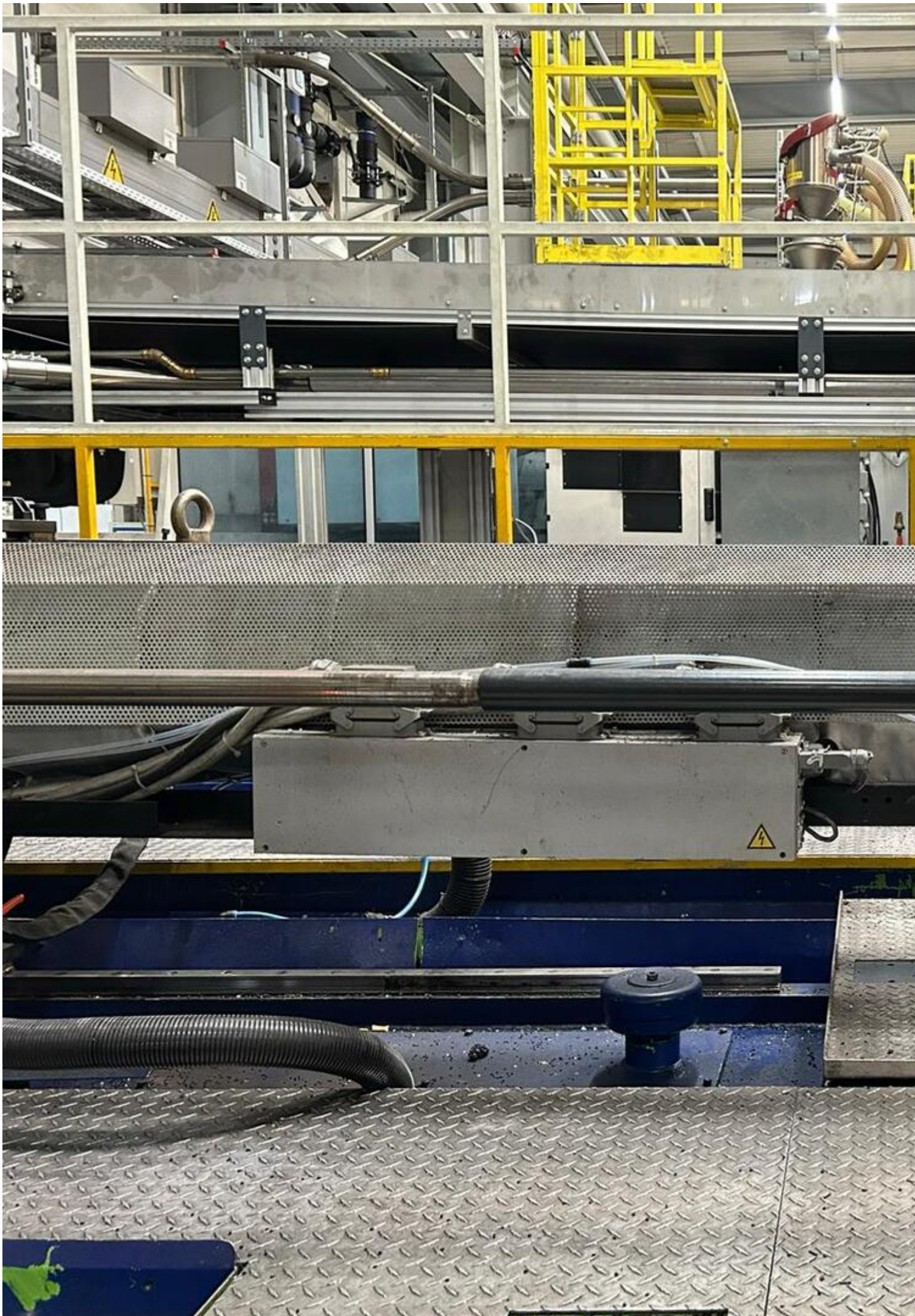
















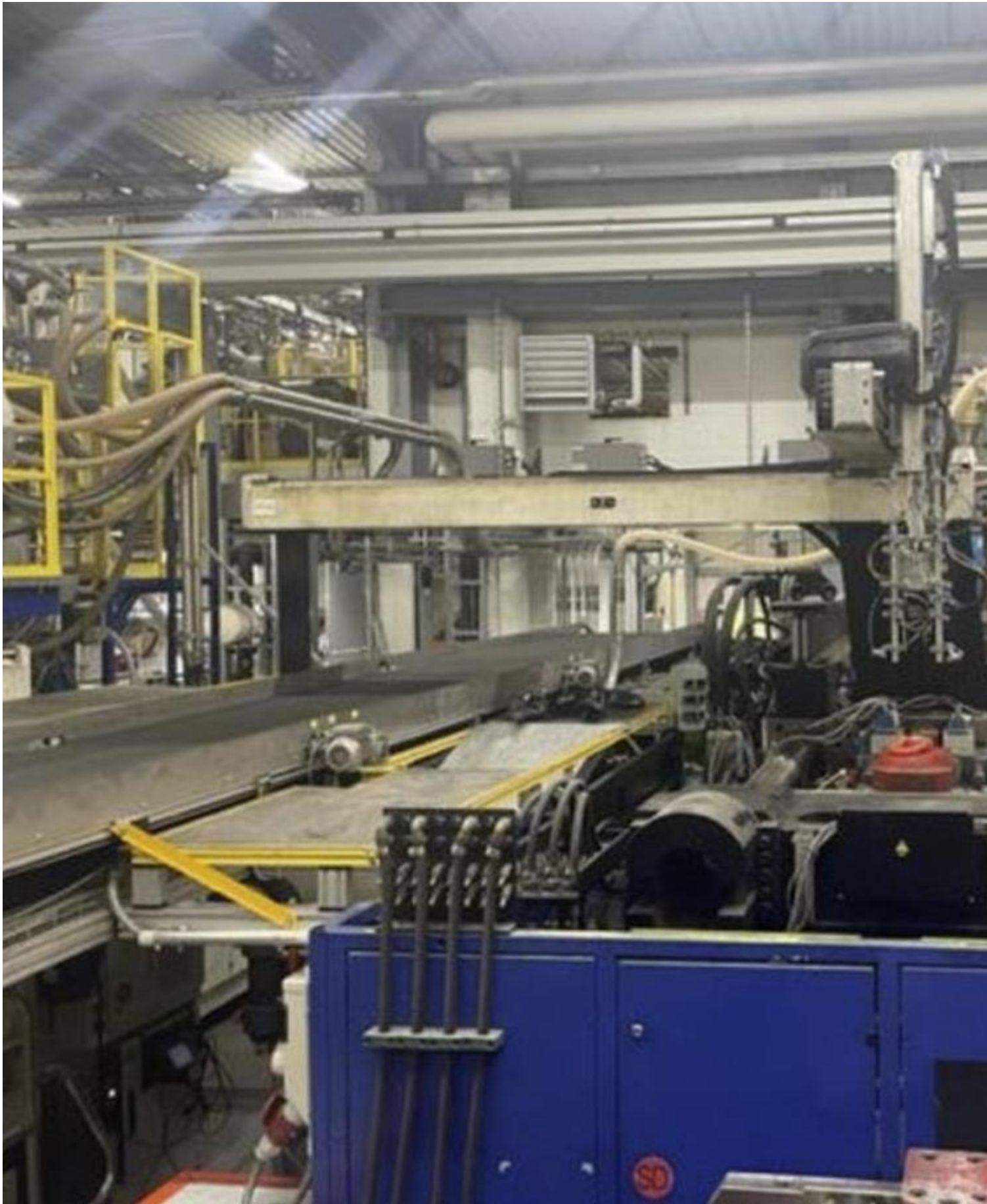
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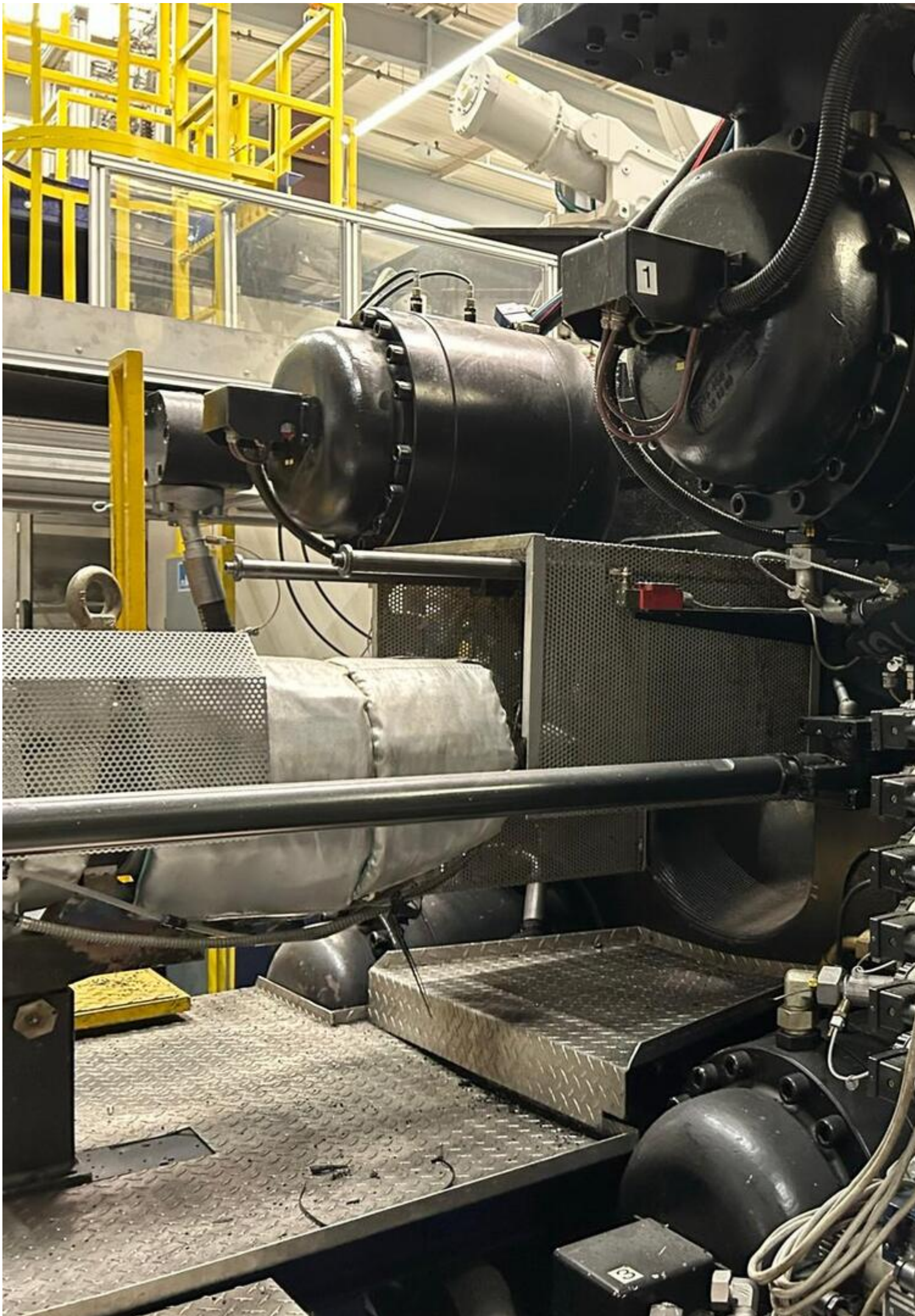
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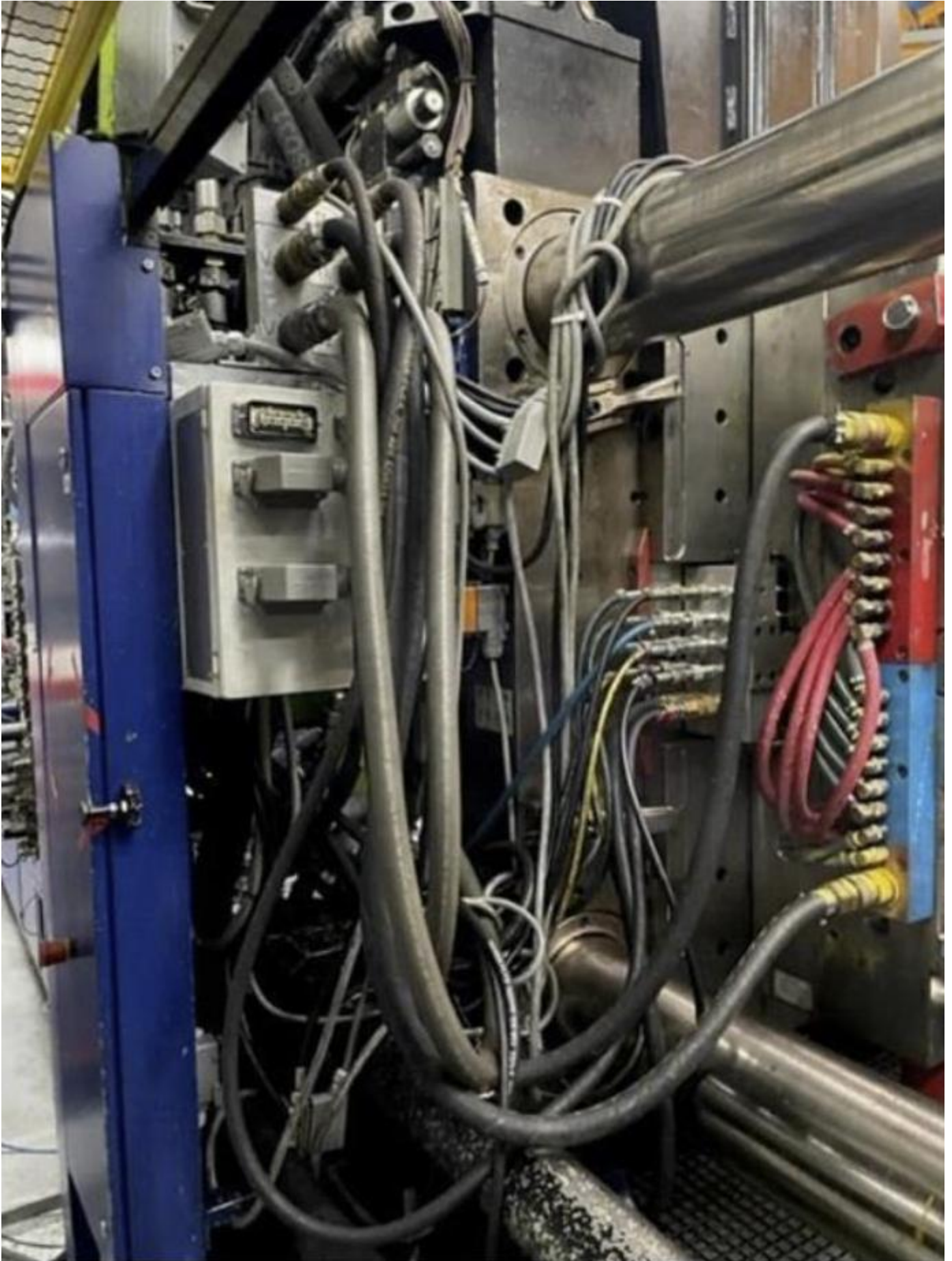


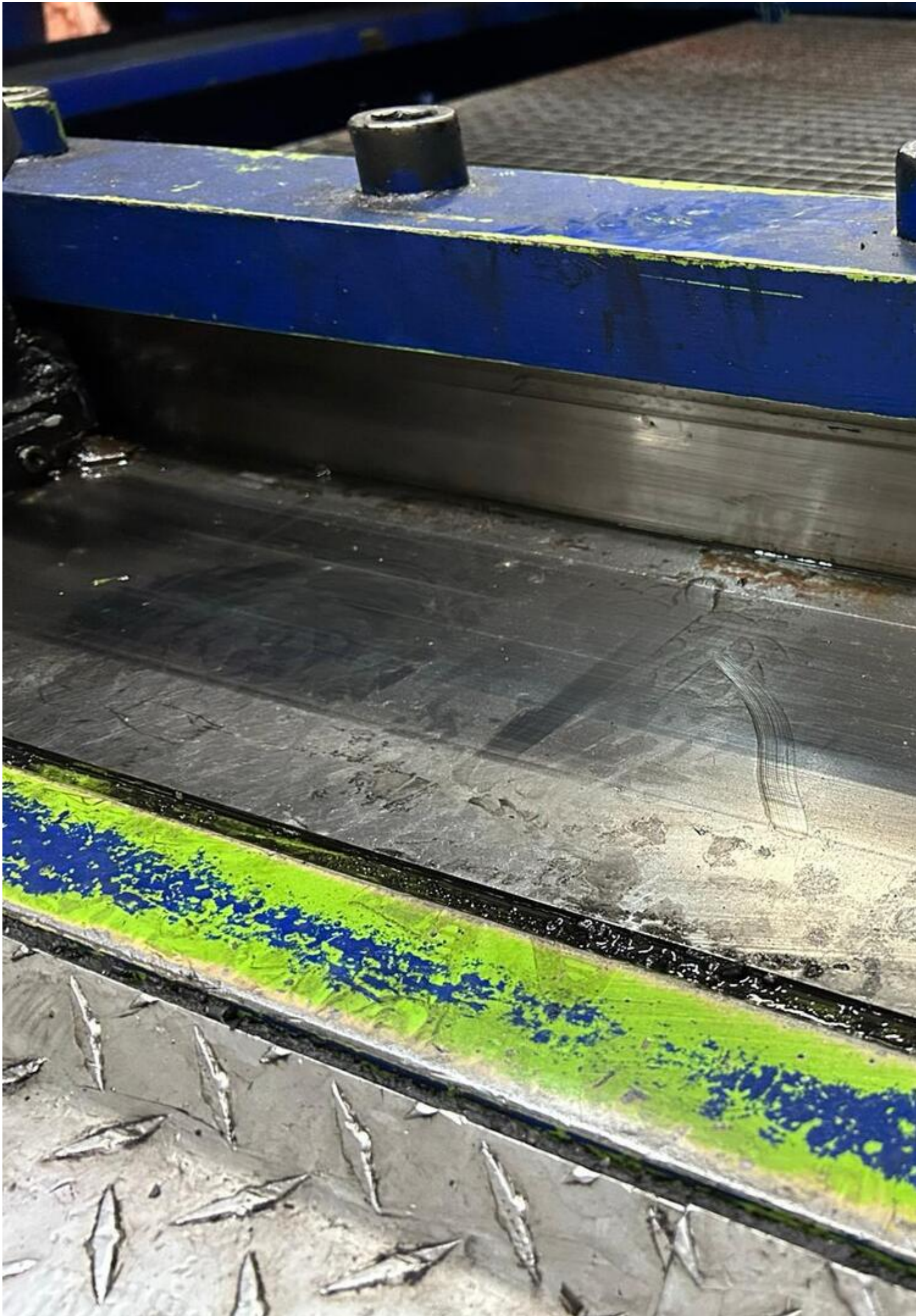












| No.                                 |   | IMM-OEM             |   | Machine Type/Model |        | Type  | Tonnage                             | Serial No.                     | Y.o.M.                              | Controller      | Language                 | Robot-OE                     |          |
|-------------------------------------|---|---------------------|---|--------------------|--------|---|-------------------------------------|--------------------------------|-------------------------------------|-----------------|--------------------------|------------------------------|----------|
| 604                                 |   | Plant               |   | Neustadt           |        |   |                                     | 44568                          | 2001                                | CC100           | GE                       | ENGEL                        |          |
| INJECTION UNIT - Designation        |   |                     | 11050                                     |                    |        | CLAMPING UNIT - Force                       |                                     |                                | 9.000 kN                            |                 |                          | X-Axis len                   |          |
| Injection technology                |   |                     | 1 K                                       |                    |        | Clamping Mechanism                          |                                     |                                | 2-Platen                            |                 |                          | Y-Axis len                   |          |
| Theoretical shot capacity cm³       |   |                     | 4.940 cm³                                 |                    |        | Platen Size Horizontal                      |                                     |                                | 1.650 mm                            |                 |                          | Z-Axis len                   |          |
| Theoretical shot capacity g         |   |                     | 4.446 g                                   |                    |        | Platen Size Vertical                        |                                     |                                | 1.515 mm                            |                 |                          | A-Axis typ                   |          |
| Max injection pressure              |   |                     |   |                    |        | Tiebars <input checked="" type="checkbox"/> |                                     |                                | Drop-out-chute                      |                 |                          | B-Axis typ                   |          |
| Max injection rate                  |   |                     |   |                    |        | Distance between tiebars Horizontal         |                                     |                                | 1.170 mm                            |                 |                          | C-Axis typ                   |          |
| Theoretical Plasticisation Capacity |   |                     |   |                    |        | Distance between tiebars Vertical           |                                     |                                | 1.000 mm                            |                 |                          | Reach                        |          |
| Screw Ø 1                           | 105 mm                                    | Shut-off Nozzle     | NO  |                    |        | Min mold height                             | 500 mm                              | Locating ring Ø                | 250 mm                              |                 |                          | QCS-Type                     |          |
| Screw Ø 2                           |   | S.drive T.          | H   | Nozzle Ø           | 6,0 mm | Max mold height                             | 1.100 mm                            | Extended daylight              |                                     |                 |                          | Thickness                    |          |
| S. speed                            |   | Zyl. Zones          | 6   | IU1 Stroke         |        | Opening stroke                              | 1.600 mm                            | Daylight                       | 2.100 mm                            |                 |                          | Pump Pow                     |          |
| S. Stroke                           |   | L/D Ratio           | 22  | IU2 Stroke         |        | Ejector plate                               | <input checked="" type="checkbox"/> | Accumulator 1 - 8: 1           | 2                                   |                 |                          | Length                       |          |
| S. design                           | M3, S1, Radius 35                         |                     |   |                    |        | Ejector stroke                              | 300 mm                              | Ejection FAP                   |                                     |                 |                          | Comment                      |          |
| Motion Driver                       |   | Hopper              | Wittmann                                  |                    |        | Ejector force                               |                                     | Ejection BAP                   |                                     |                 |                          |                              |          |
| D.Technology                        | Hydraulic                                 | Movement            | Simultaneous                              |                    |        | TCU IF                                      |                                     | Robot IF                       | <input checked="" type="checkbox"/> | Traceability IF | <input type="checkbox"/> | CP: Type1                    |          |
| Variable frequency distributor      | <input type="checkbox"/>                  | Zylinder Insulation | <input type="checkbox"/>                  |                    |        | HZ: FP                                      |                                     | HZ: Type1                      | EMP14                               |                 |                          | CP: Type2                    |          |
| Chemical Blow Agent Package         | <input type="checkbox"/>                  | Masterbatch Signal  | <input type="checkbox"/>                  |                    |        | HZ: MP                                      |                                     | HZ: Type2                      |                                     |                 |                          | CP:>FP                       |          |
| FP>QtyT1                            | <input type="checkbox"/>                  | 1:                  |   |                    |        | EMP14 Power                                 | HA: 09300160301+09330162701         |                                |                                     |                 |                          |                              |          |
| FP>QtyT2                            | <input type="checkbox"/>                  | 2:                  | WP: LP-019-2-WR 033-21-2, Brass/LP-019-0  |                    |        | EMP14 Thermocouples                         | HA: 09200160301+09200162612         |                                |                                     |                 |                          |                              |          |
| FP>QtyT3                            | <input type="checkbox"/>                  | 3:                  | WP: LP-012-2-WR 026-21-2, Brass/LP-012-2- |                    |        | S-500 Po.+ Thermoc.                         |                                     |                                |                                     |                 |                          |                              |          |
| FP>QtyT4                            | <input type="checkbox"/>                  | 4:                  |   |                    |        | Comments                                    |                                     |                                |                                     |                 |                          |                              | CP:< MiP |
| MiP<QtyT1                           | <input type="checkbox"/>                  | 1:                  |   |                    |        | Sequential-Valve-Type                       | Hydraulic                           | Signals                        | 12                                  |                 |                          |                              |          |
| MiP<QtyT2                           | <input type="checkbox"/>                  | 2:                  |   |                    |        | HY:FP/MiP+MP/MiP                            | 6                                   | HY PA: H2-62-BSPP / H2-63-BSPP |                                     |                 |                          |                              |          |
| MiP<QtyT3                           | <input type="checkbox"/>                  | 3:                  |   |                    |        | PN:MP/MiP+MP/MiP                            |                                     | PN                             |                                     |                 |                          |                              |          |
| MiP<QtyT4                           | <input type="checkbox"/>                  | 4:                  |   |                    |        | HA: 09300160301+09140160313+2x09140123101   |                                     |                                |                                     |                 |                          |                              | CP:>MiP  |
| MiP>QtyT1                           | <input type="checkbox"/>                  | 1:                  |   |                    |        | Monitoring                                  |                                     |                                |                                     |                 |                          |                              |          |
| MiP>QtyT2                           | <input type="checkbox"/>                  | 2:                  |   |                    |        | P/T-FP/MiP                                  | PA: H4-62-BSPP / H4-63-BSPP         |                                |                                     |                 |                          |                              |          |
| MiP>QtyT3                           | <input type="checkbox"/>                  | 3:                  |   |                    |        | P/T-MP/MiP                                  |                                     |                                |                                     |                 |                          |                              | CP:<MP   |
| MiP>QtyT4                           | <input type="checkbox"/>                  | 4:                  |   |                    |        | M. Coding:                                  | HA: 0920010251+09200102812          |                                |                                     |                 |                          |                              |          |
| MP<QtyT1                            | <input type="checkbox"/>                  | 1:                  |   |                    |        | Remarks:                                    | Mold coding via Symestic            |                                |                                     |                 |                          |                              |          |
| MP<QtyT2                            | <input type="checkbox"/>                  | 2:                  | WP: LP-019-2-WR 033-21-2, Brass/LP-019-0  |                    |        | Pneumatic Valves FP                         | <input type="checkbox"/>            | Pneumatic Valves MP            | <input type="checkbox"/>            |                 |                          |                              |          |
| MP<QtyT3                            | <input type="checkbox"/>                  | 3:                  |   |                    |        | AirBlow Off FP                              | <input type="checkbox"/>            | AirBlow Off MP                 | <input type="checkbox"/>            |                 |                          | CP-Remar                     |          |
| MP<QtyT4                            | <input type="checkbox"/>                  | 4:                  |   |                    |        | Pneumatic Circuits                          | <input type="checkbox"/>            | PN                             |                                     |                 |                          | LOil:                        |          |
| C-Remark:                           | Tool male and female WP with adapter hose |                     |   |                    |        | Vaccum Circuits                             | <input type="checkbox"/>            | VA                             |                                     |                 |                          | GIT <input type="checkbox"/> |          |





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