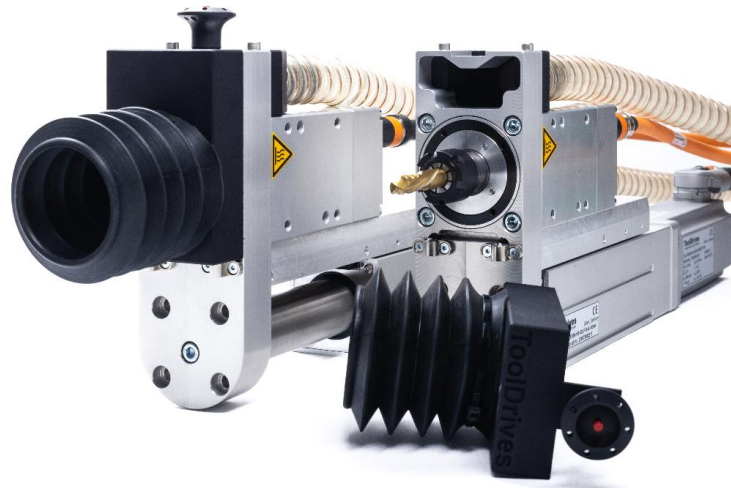
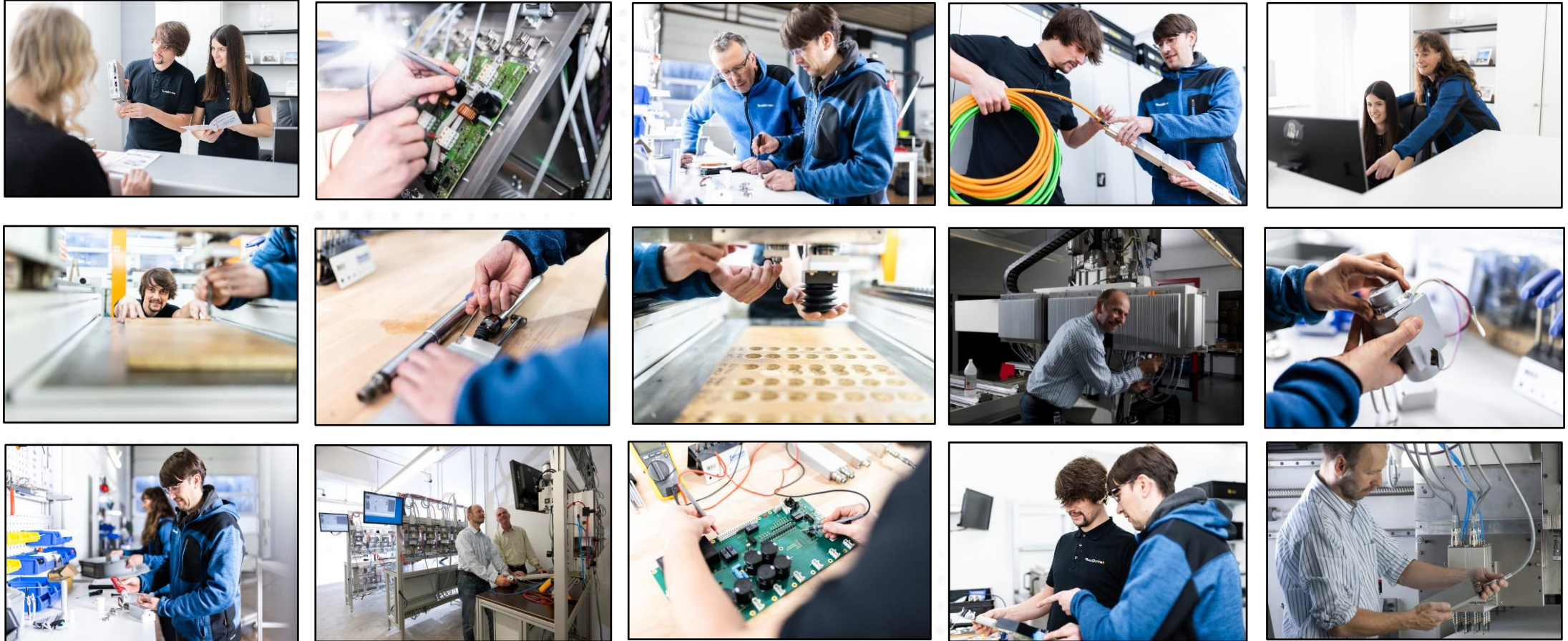


# Products – Systems – Applications



## Short company introduction



**Activity: Development, manufacture and marketing of direct drives for CNC and robotics**

# Three pillars product portfolio

## 1. Machining Modules

## 2. Robotics Solutions

## 3. Automation

## 4. Services

**Market / Industry sectors:**  
machine builders, robotic furniture ,  
kitchen, doors, stairs, windows,  
acoustic ,alu, metall



**feed-units**



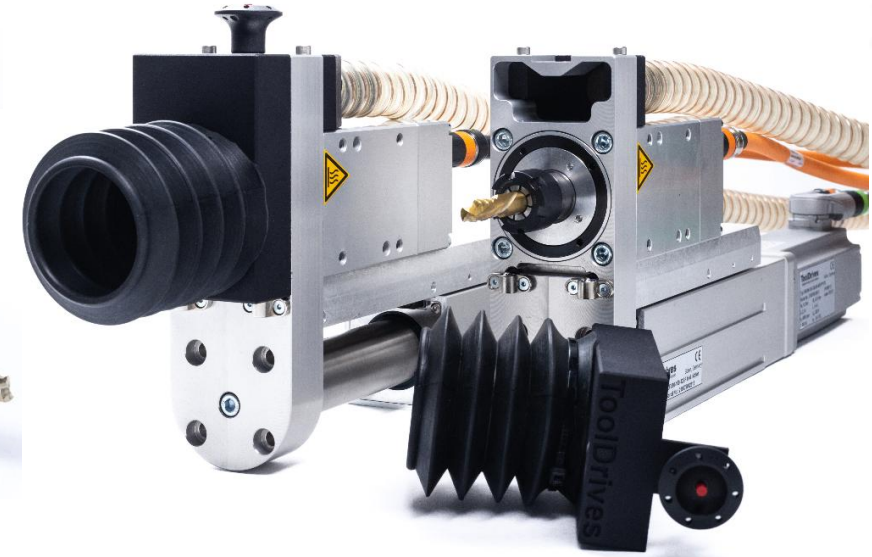
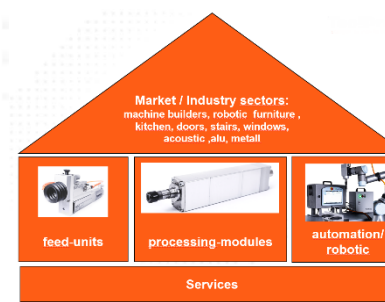
**processing-modules**



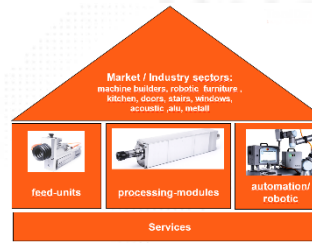
**automation/  
robotic**

**Services**

# 1. Machining modules and feed units



## 2. Robotics Machining Solution



### 3. Automation

Market / Industry sectors:  
machine builders, robotic furniture,  
kitchen, doors, stairs, windows,  
acoustic, etc, metal



feed units



processing modules



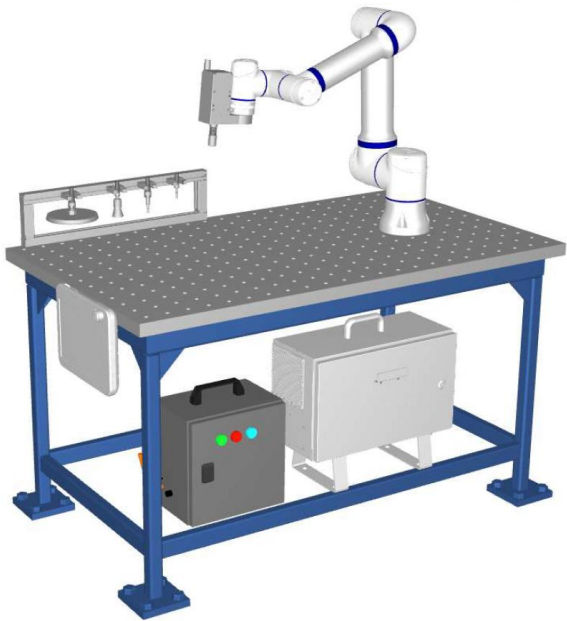
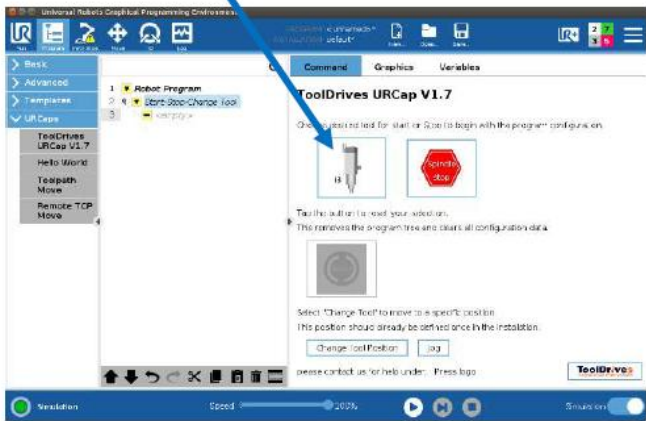
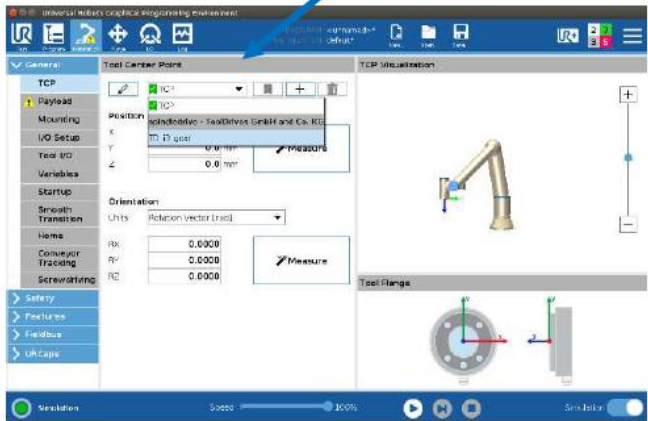
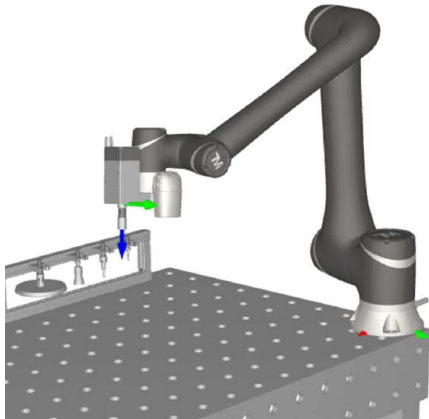
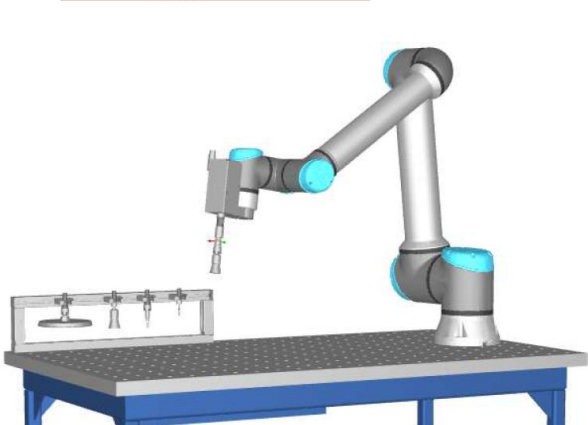
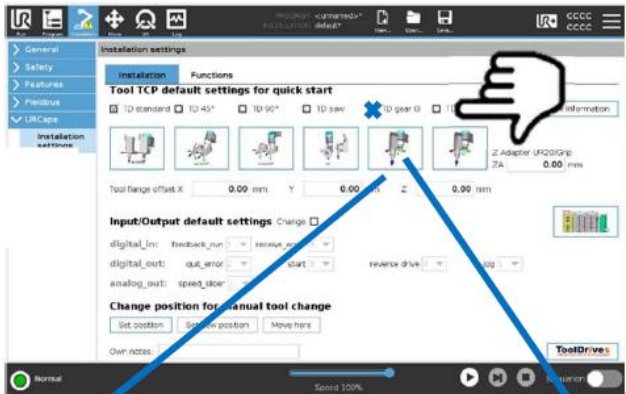
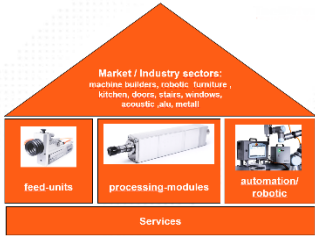
automation/  
robotic

Services

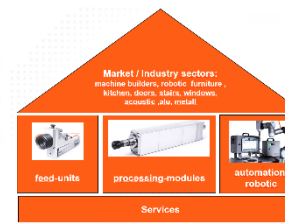


### 3. Automation – Plugin Easy Installation

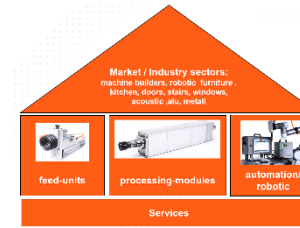
- UR
- Dobot
- Elite
- Techmann



### 3. Automation – Plugin Easy Installation



## 4. Services – the basis for sustainable success



- **After-Sale-Service**
- **Online product and sales training**
- **OBS-Studio - Online Support und Live Streaming**
- **Live demonstrations via OBS – Studio**
- **Feasibility studies in the technical center incl. results report**
- **Individual validation tests**
- **On-site commissioning at the customer's site**
- **Feasibility tests with customers/prospects**

# Applications:

Drilling

milling

suction

grinding

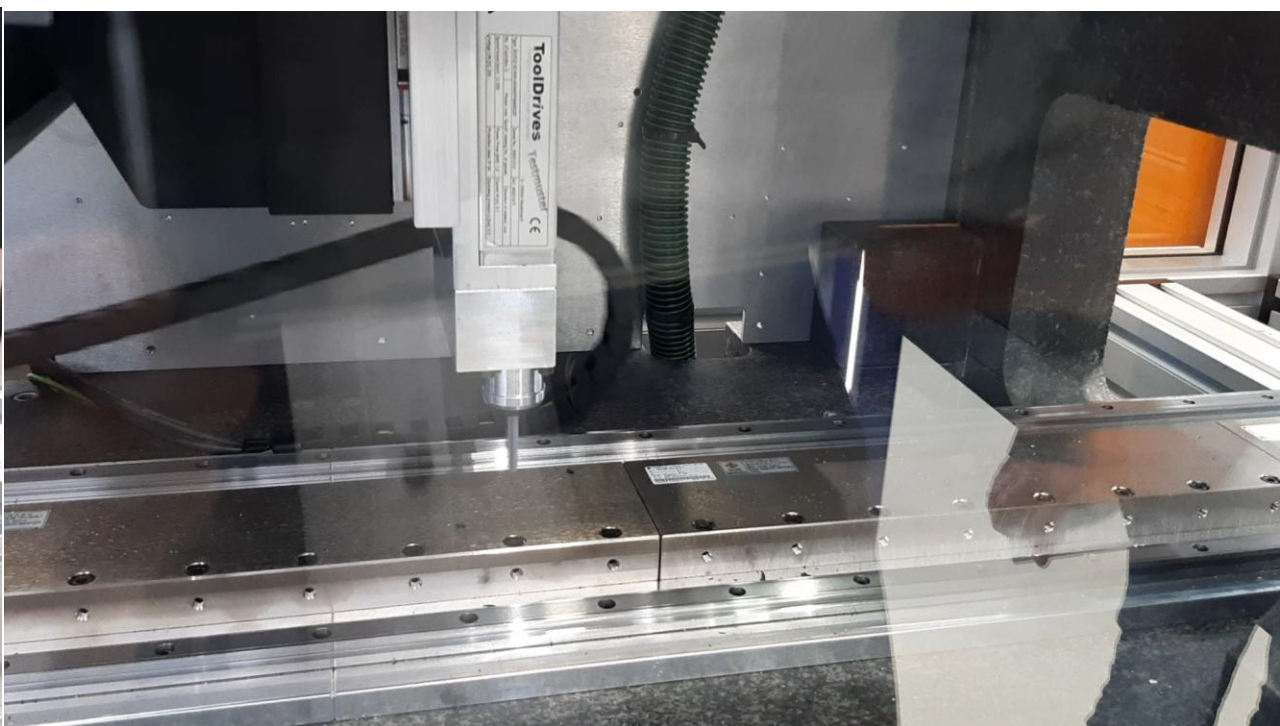
polishing

brushing

deburring

sawing

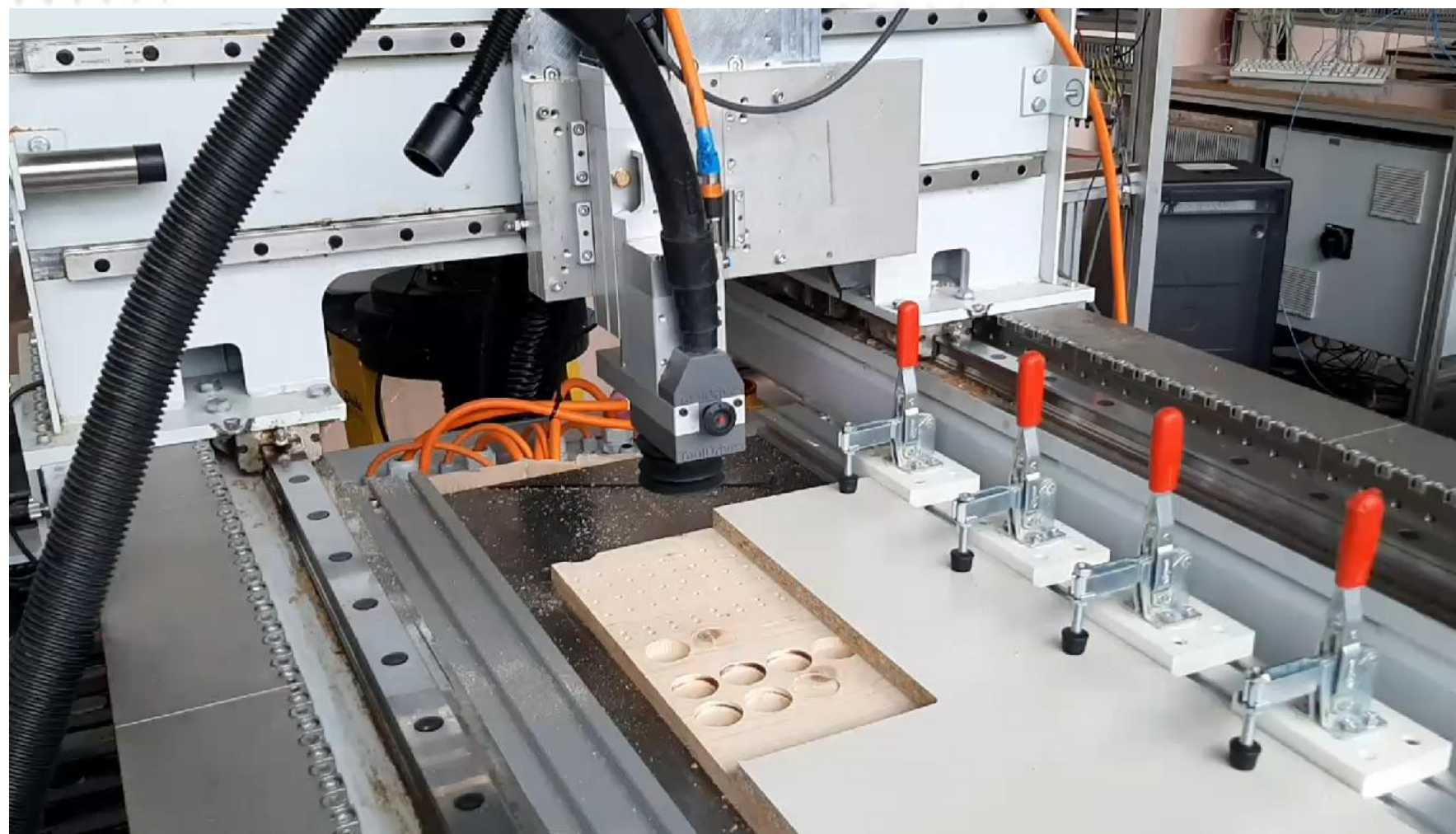




**High-performance drilling: 100 holes in 17 sec. show-case LIGNA with & without suction**



**Drilling: 35mm Pot Tape Holes with Suction**

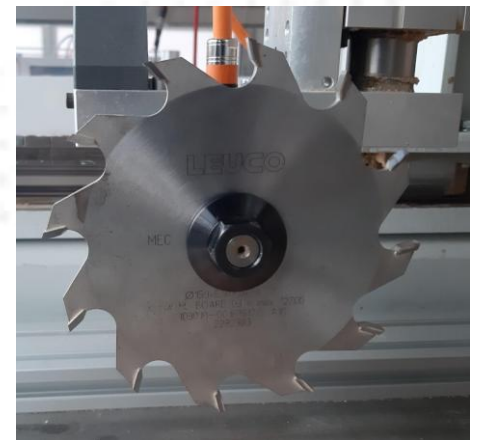


Milling of furniture parts – chipboard...



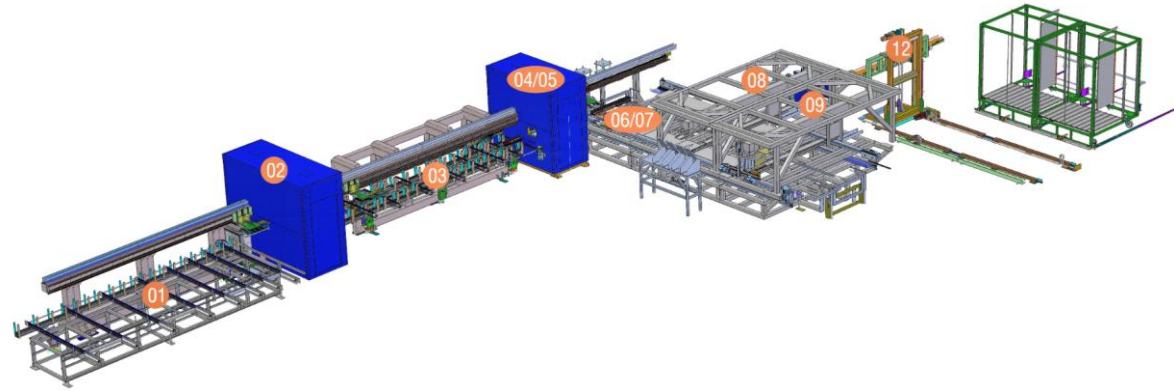
...and MDF nesting

## Applications & Sample Videos



**Groove saws with Compact module – 6mm wide and 9mm deep grooves in beech**

# Applications & Sample Videos



**Window construction Aluminium processing – use of the Compact module**

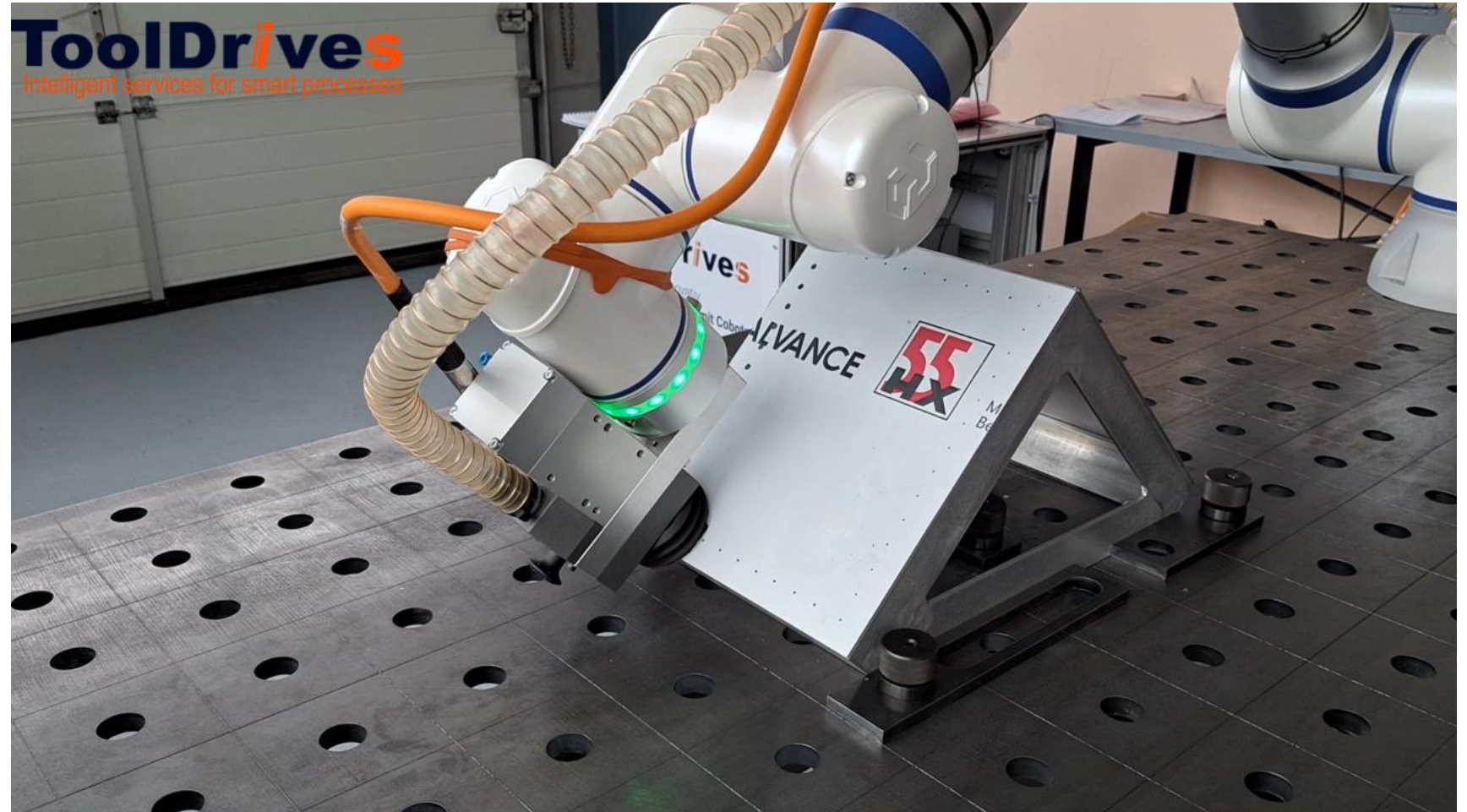
## Applications & Sample Videos



**Milling vs drilling 8mm holes in ALU**

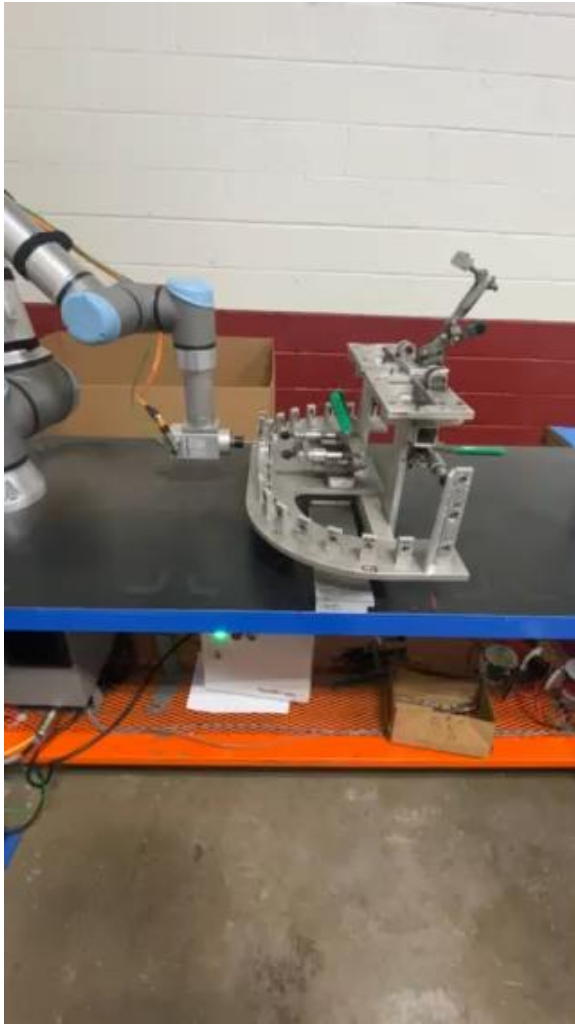


**Milling and drilling with robots KUKA KR16**

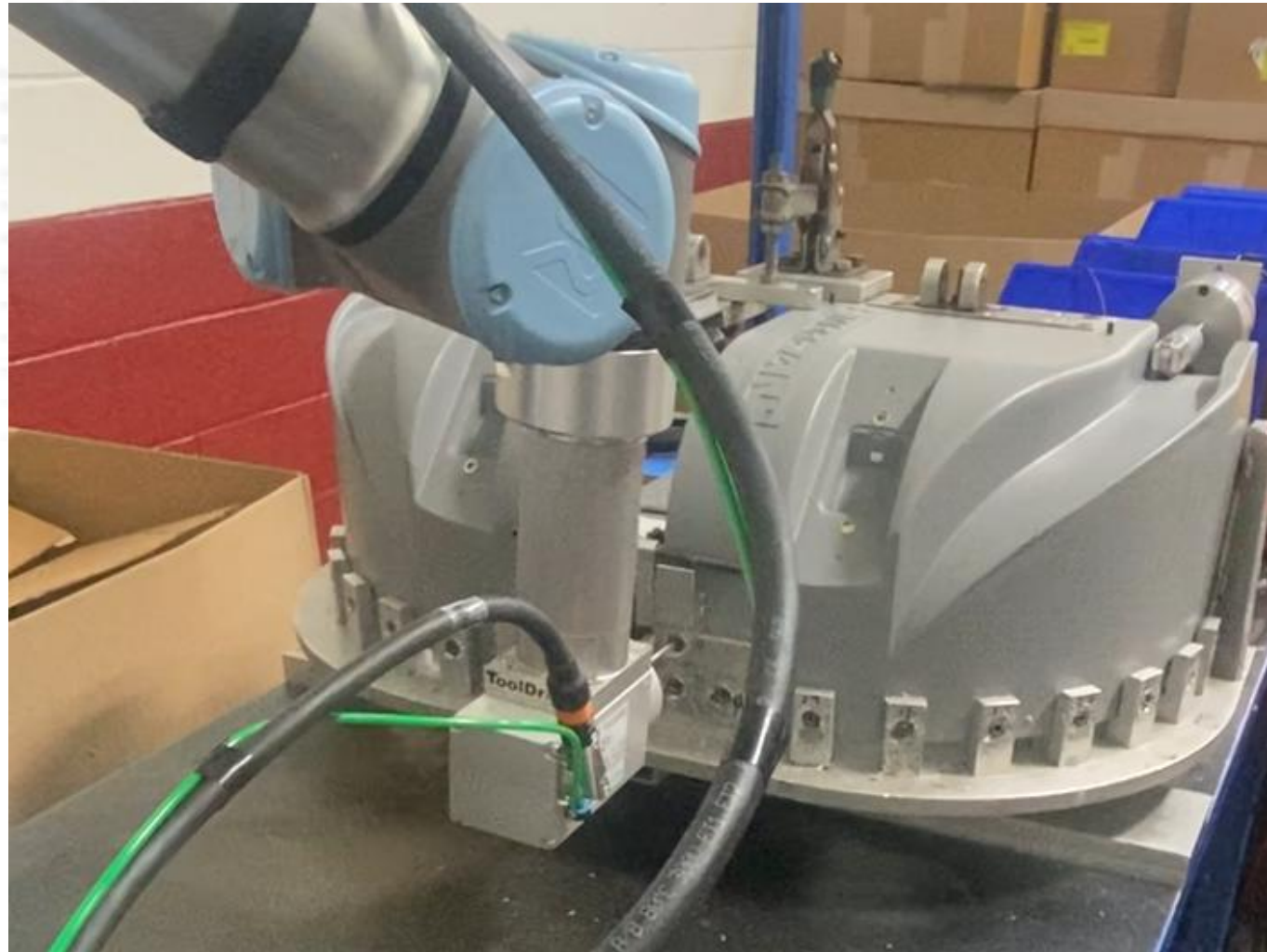


**Drilling/Milling Alu - with Suction**

## Applications & Examples



**Drilling plastic with UR10e**



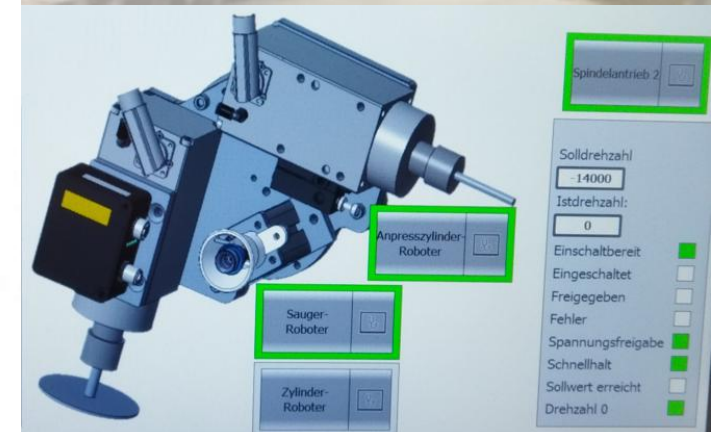
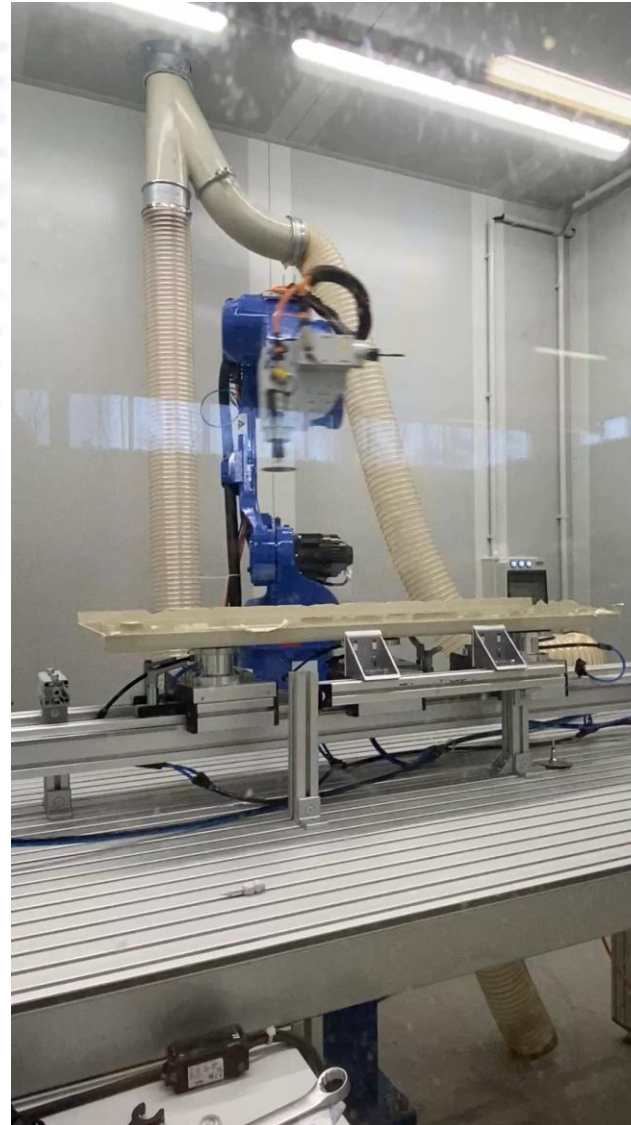
## Applications & Examples



**Milling rubber with UR20**



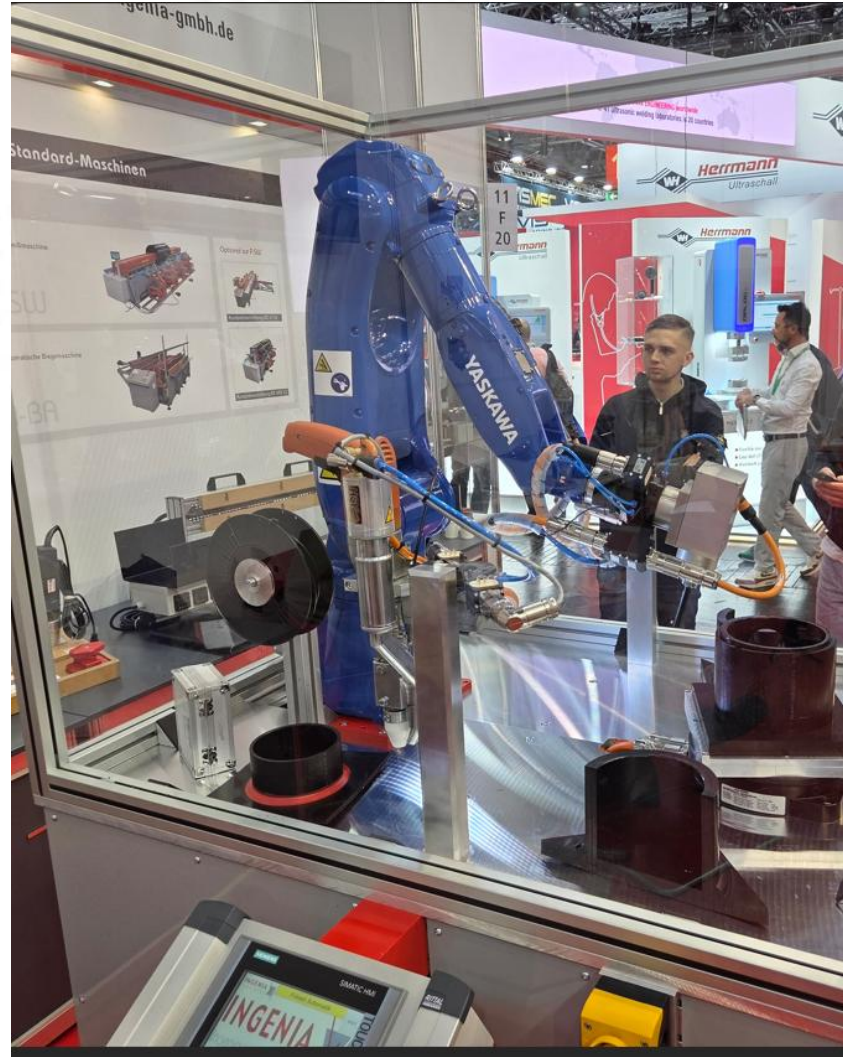
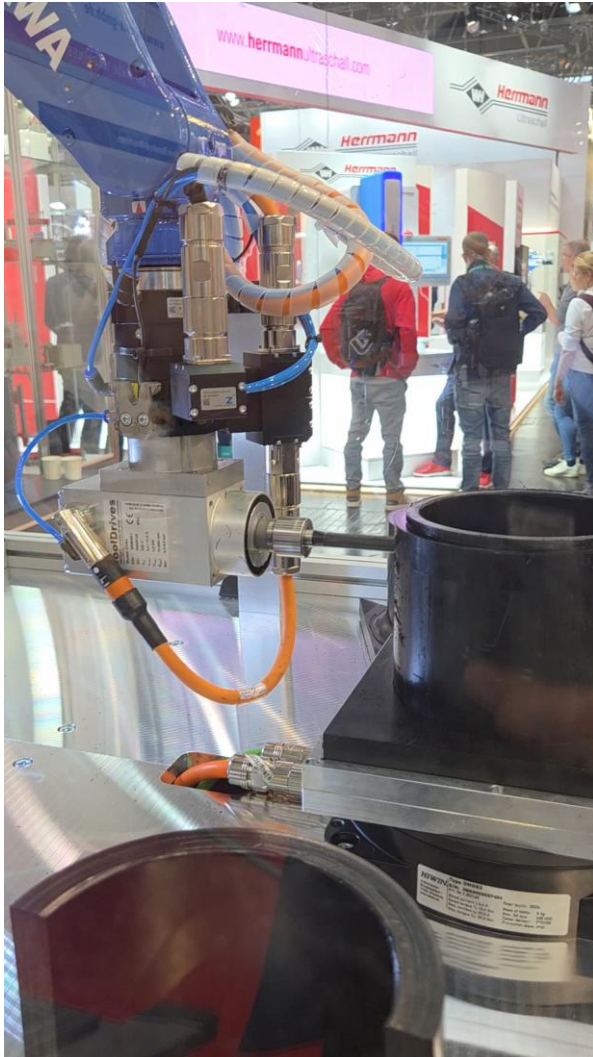
# Applications & Examples



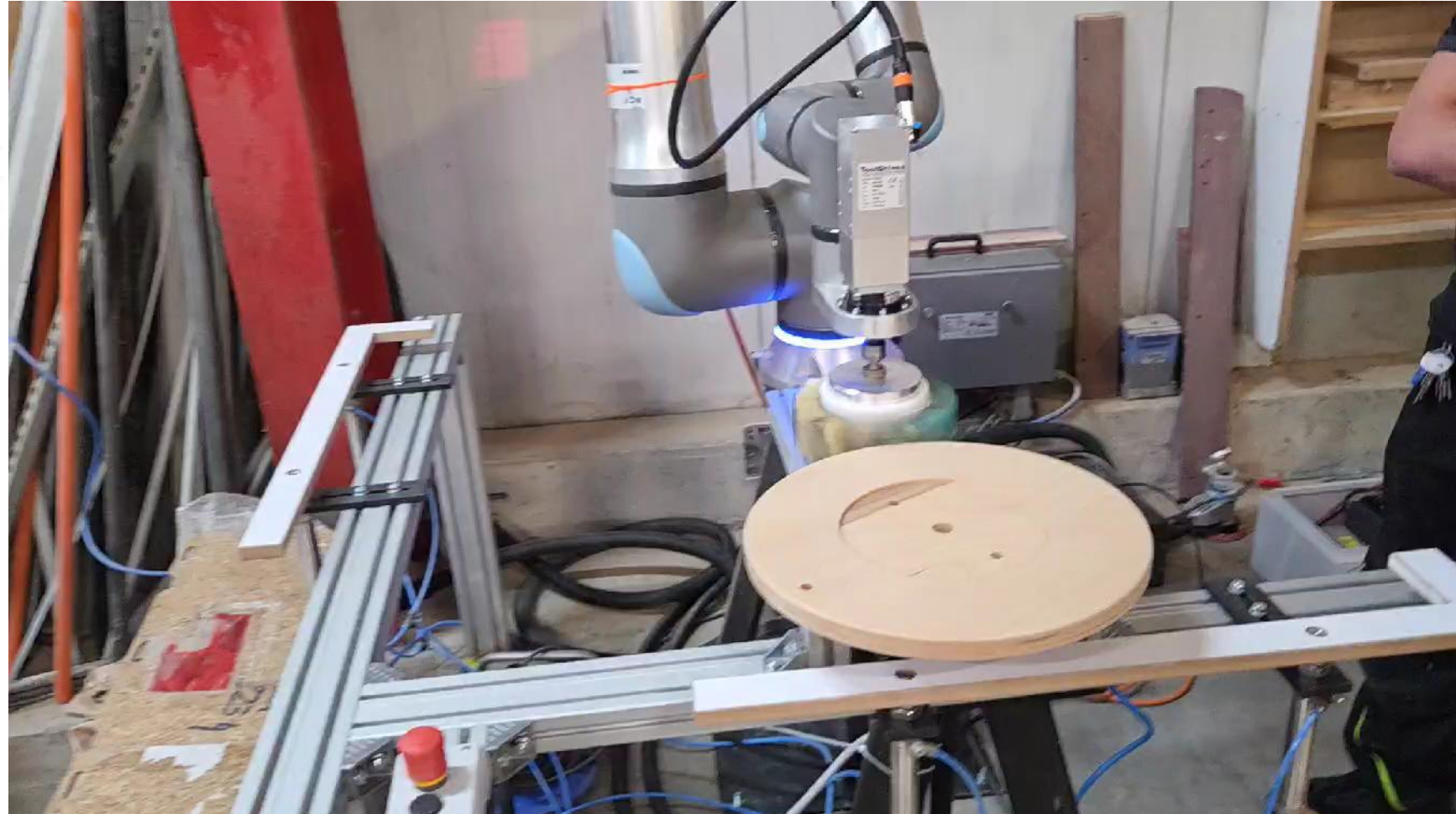
Deburring/Milling GP12+GP20

09.06.2026

## Applications & Examples: K-Fair Module Change at GP7



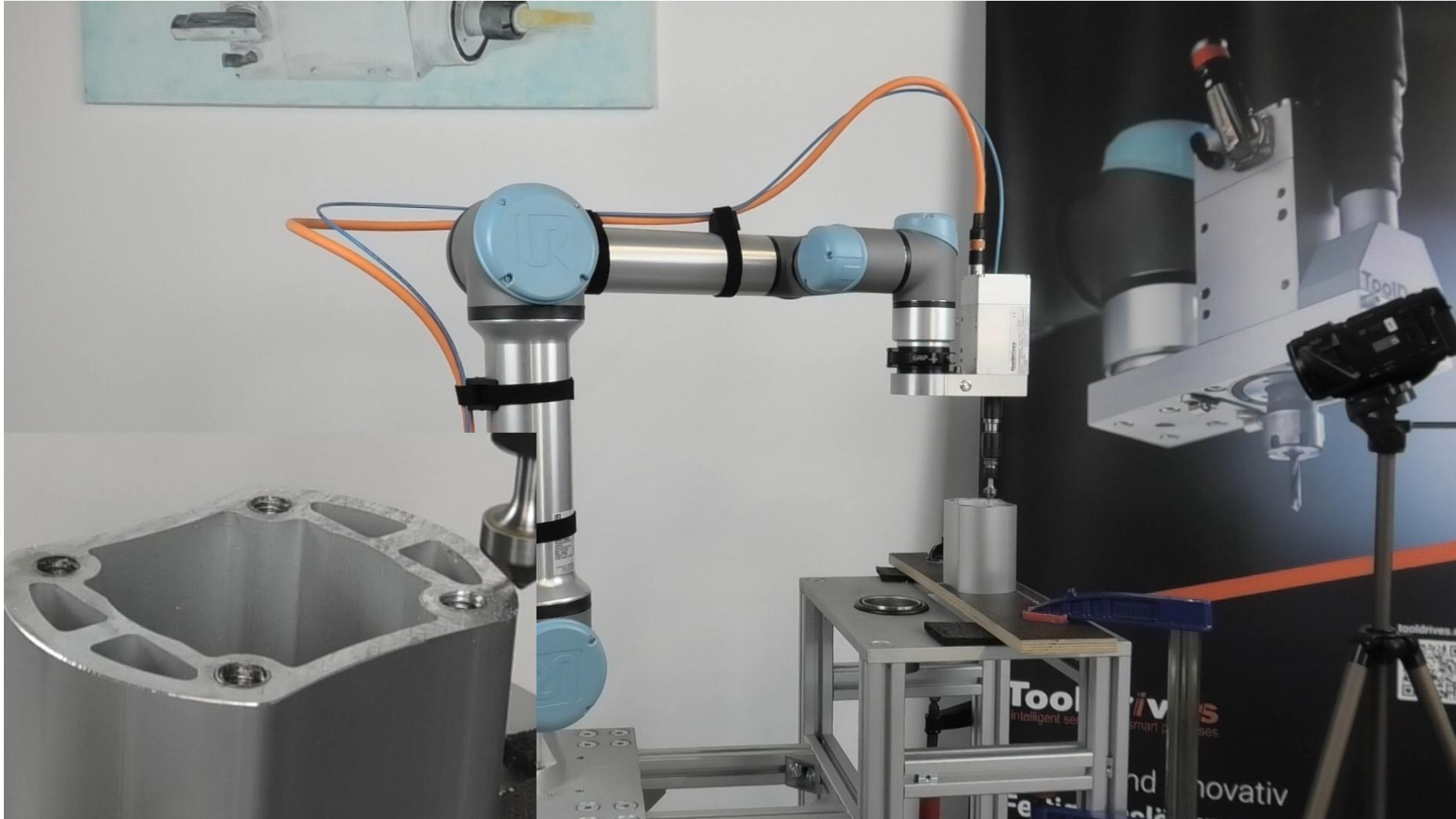
## Applications & Examples: Brushing/Grinding with FlexTrim



## Application examples Deburring and grinding with lifting spindle

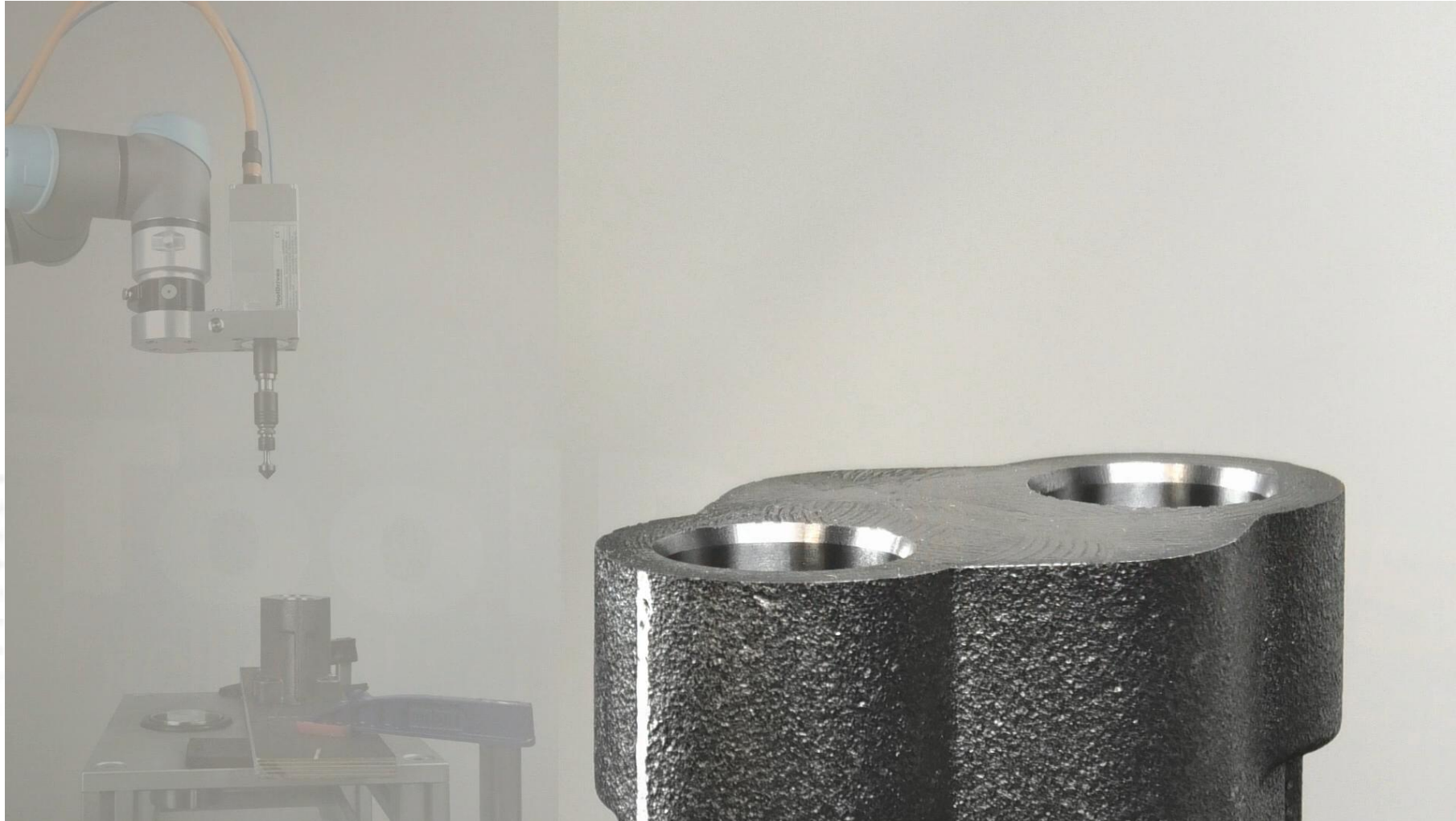


# Applications Deburring



Deburring ALU

# Applications Deburring

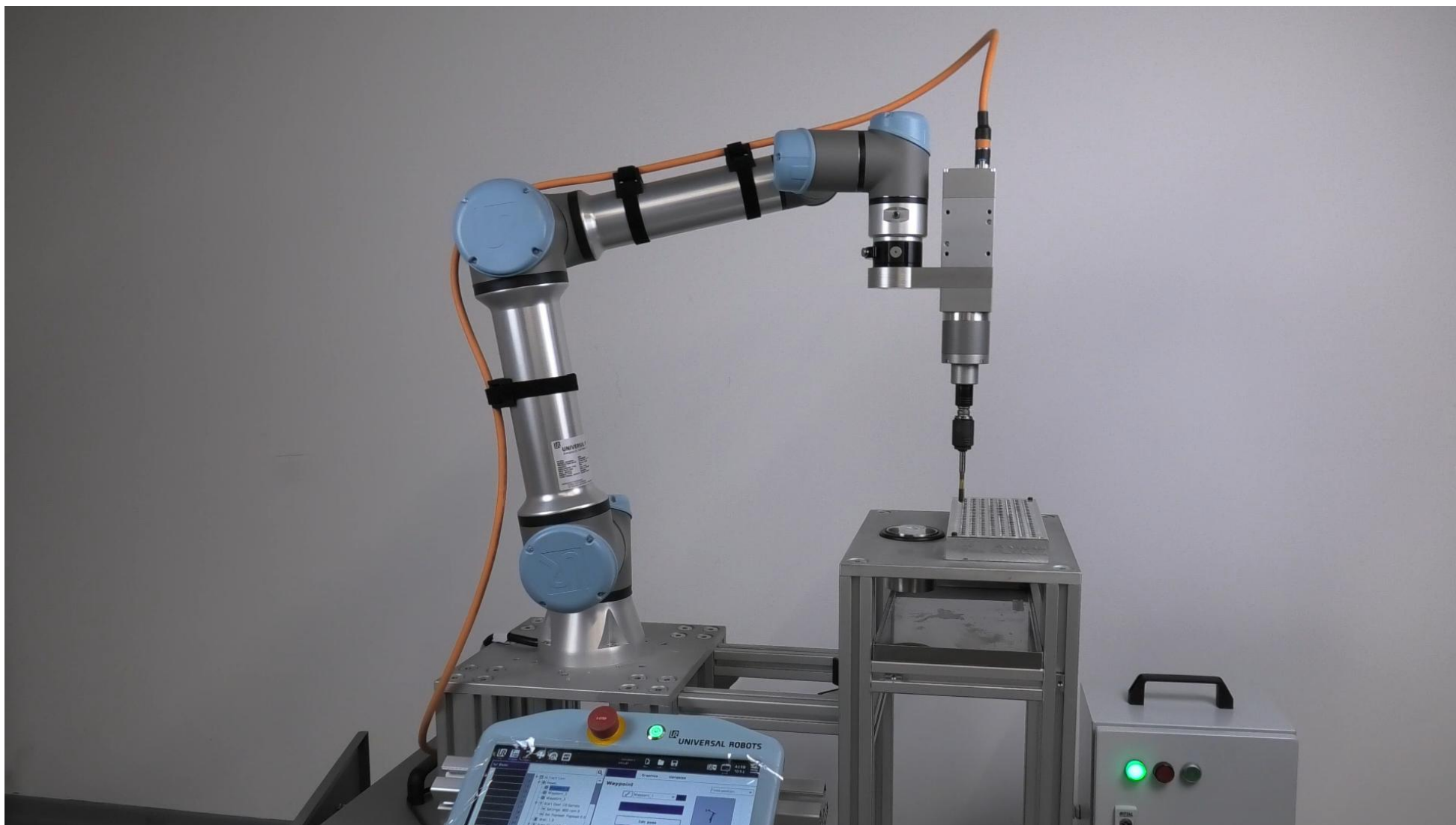


## Deburring Steel

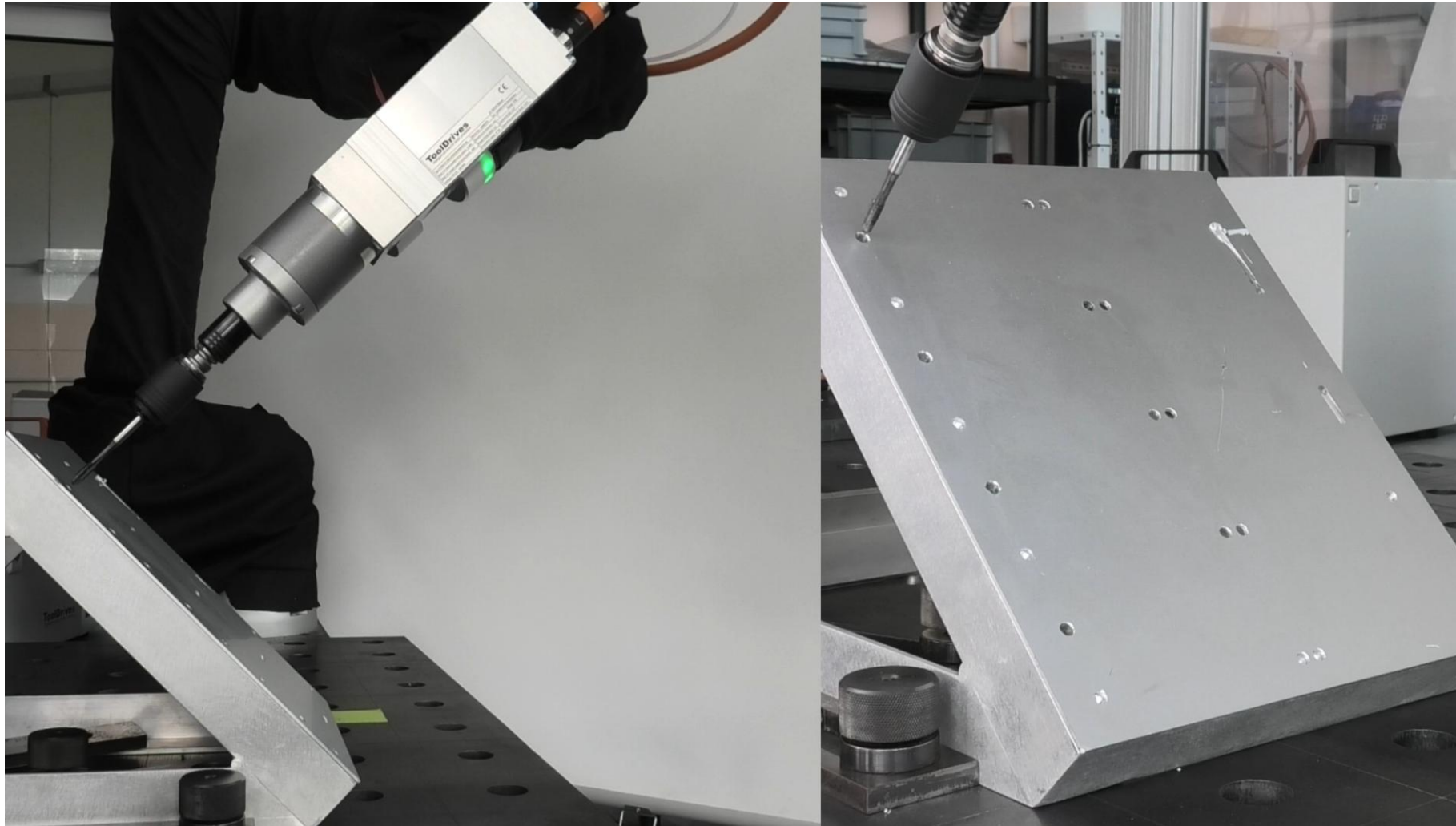
09.06.2026

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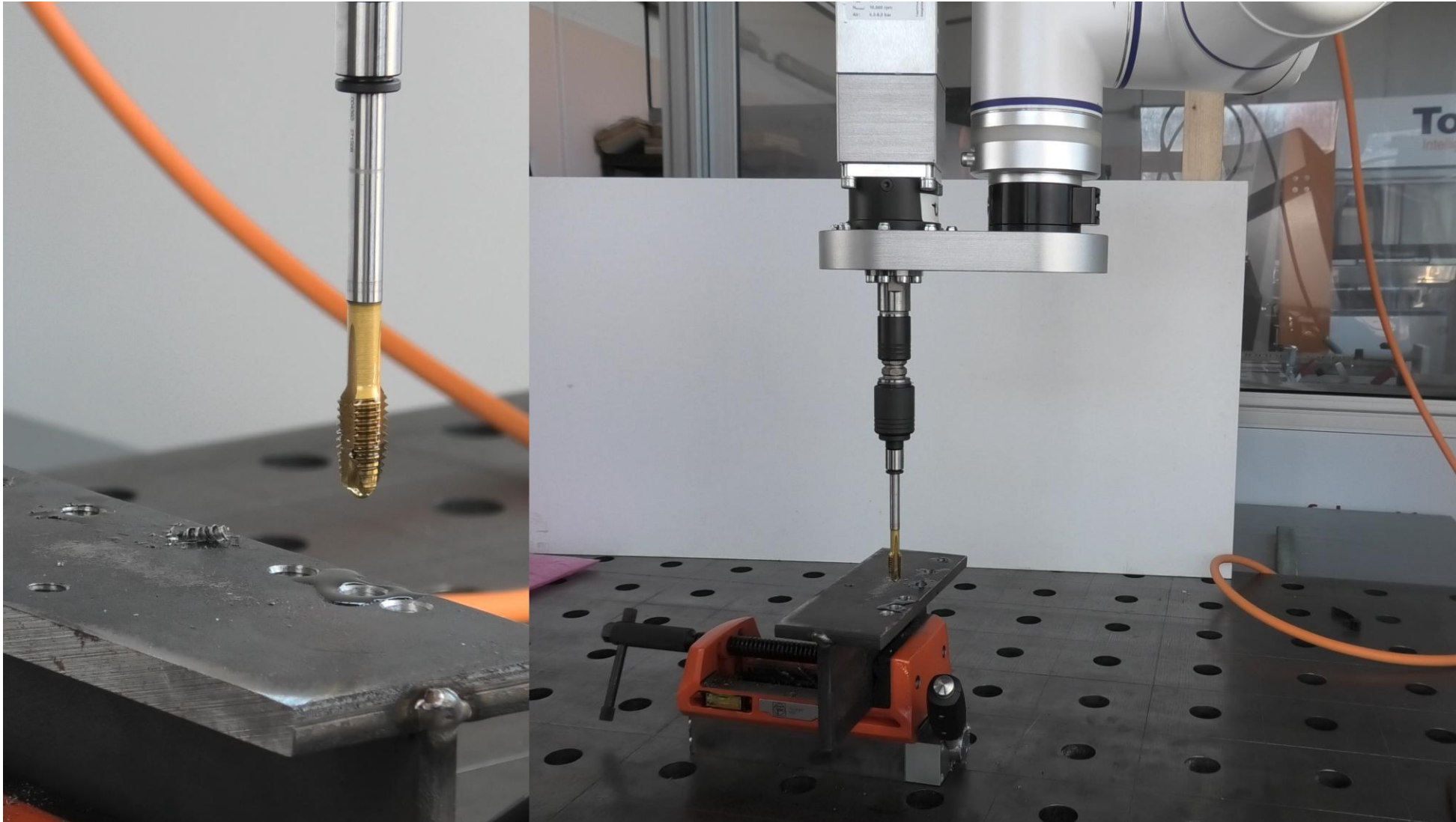
## Applications & Examples Tapping



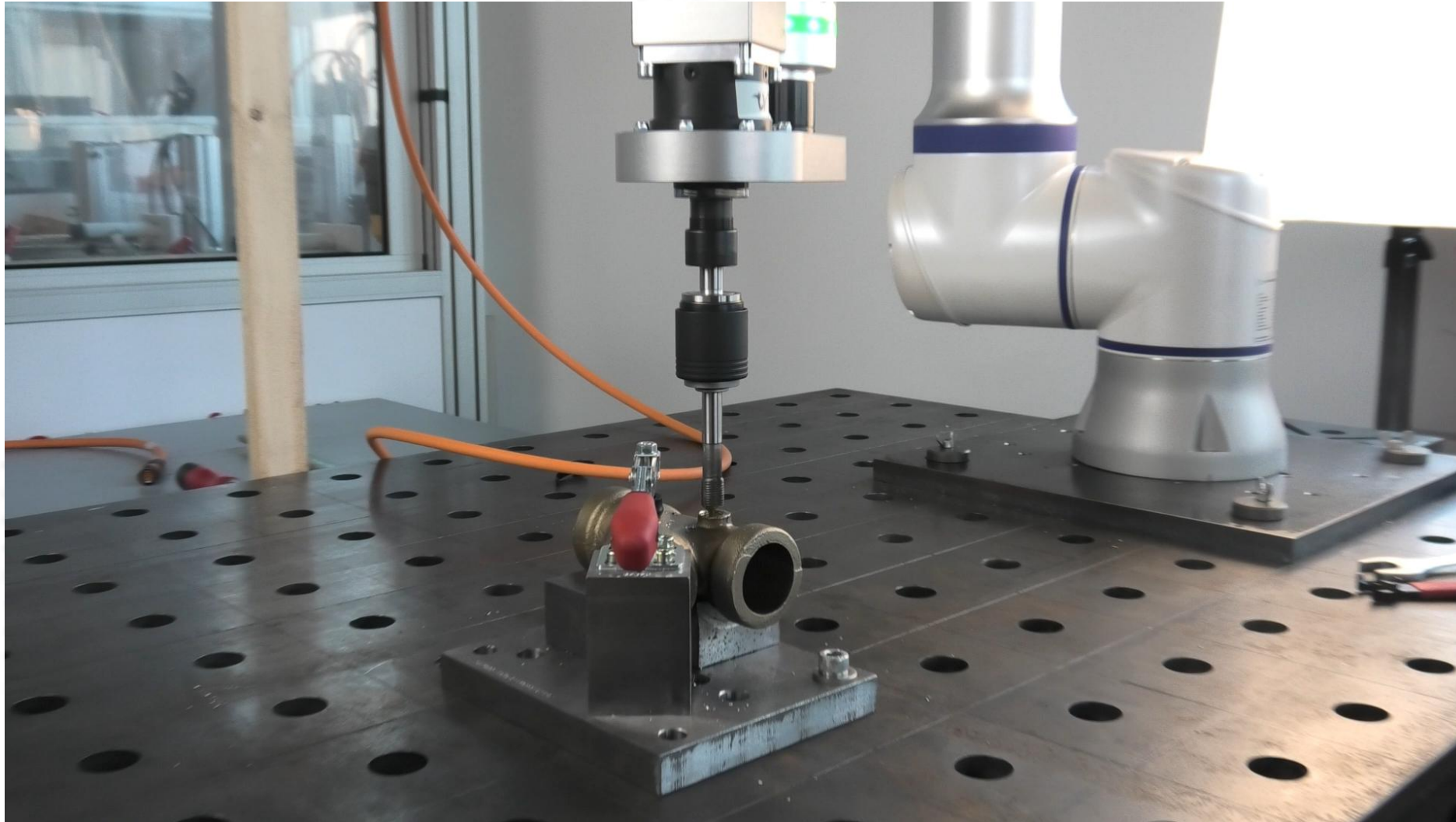
# Applications & Examples Tapping



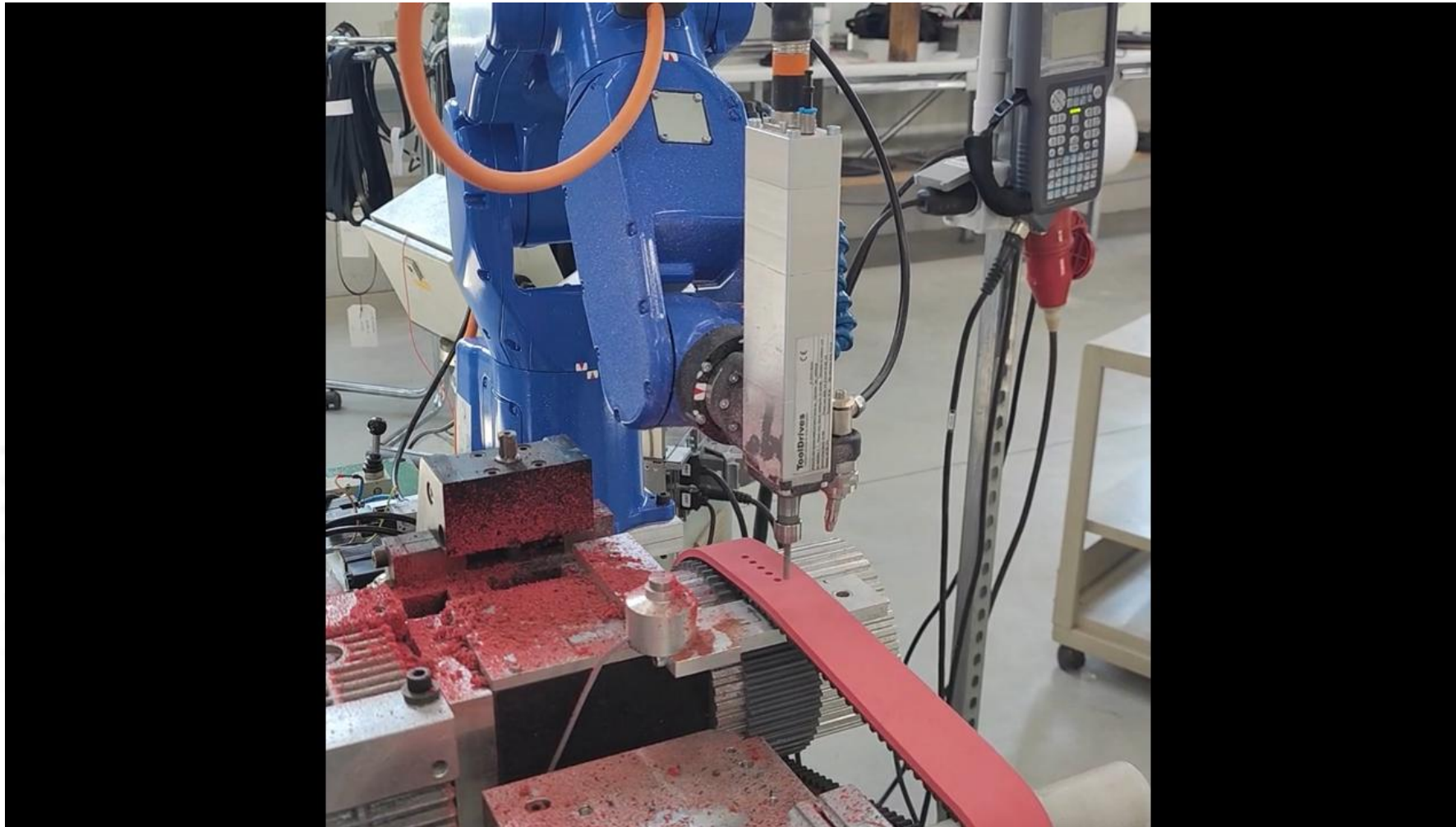
# Anwendungen Gewindeschneiden M10 in Stahl



## Threading 1/4 Inch in Brass Dry

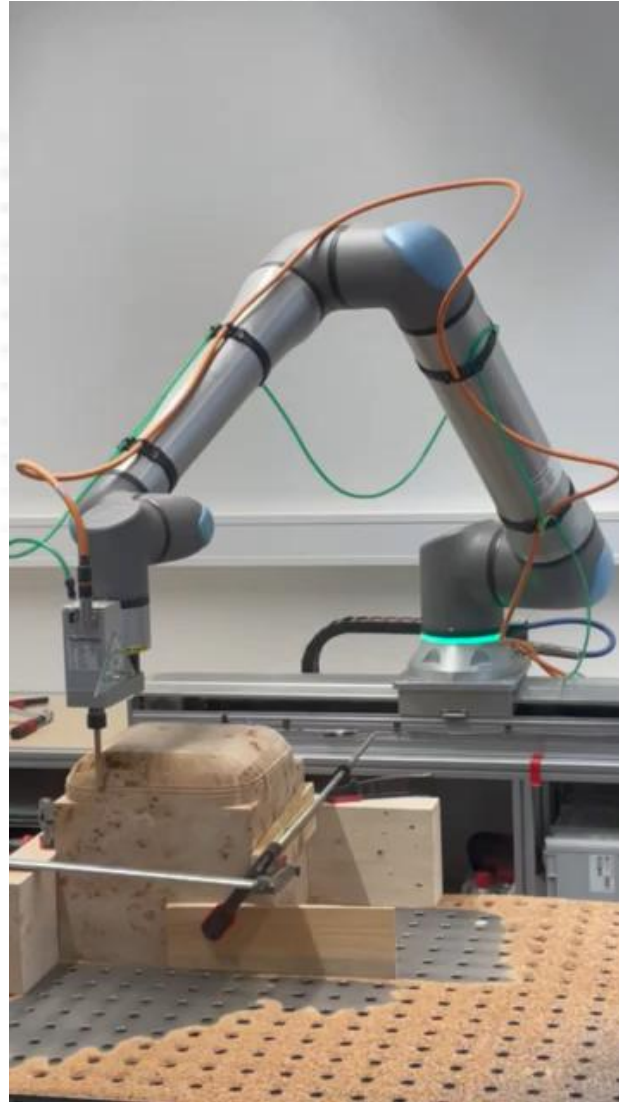


## Application Milling and drilling with Basic Line



Milling/Drilling GP4

# Applications Milling wood



Milling Wood UR20

09.06.2026

## Applications Milling of plastic parts



## Milling plastic wit UR12

# Drilling of furniture parts with SCARA robot kinematics



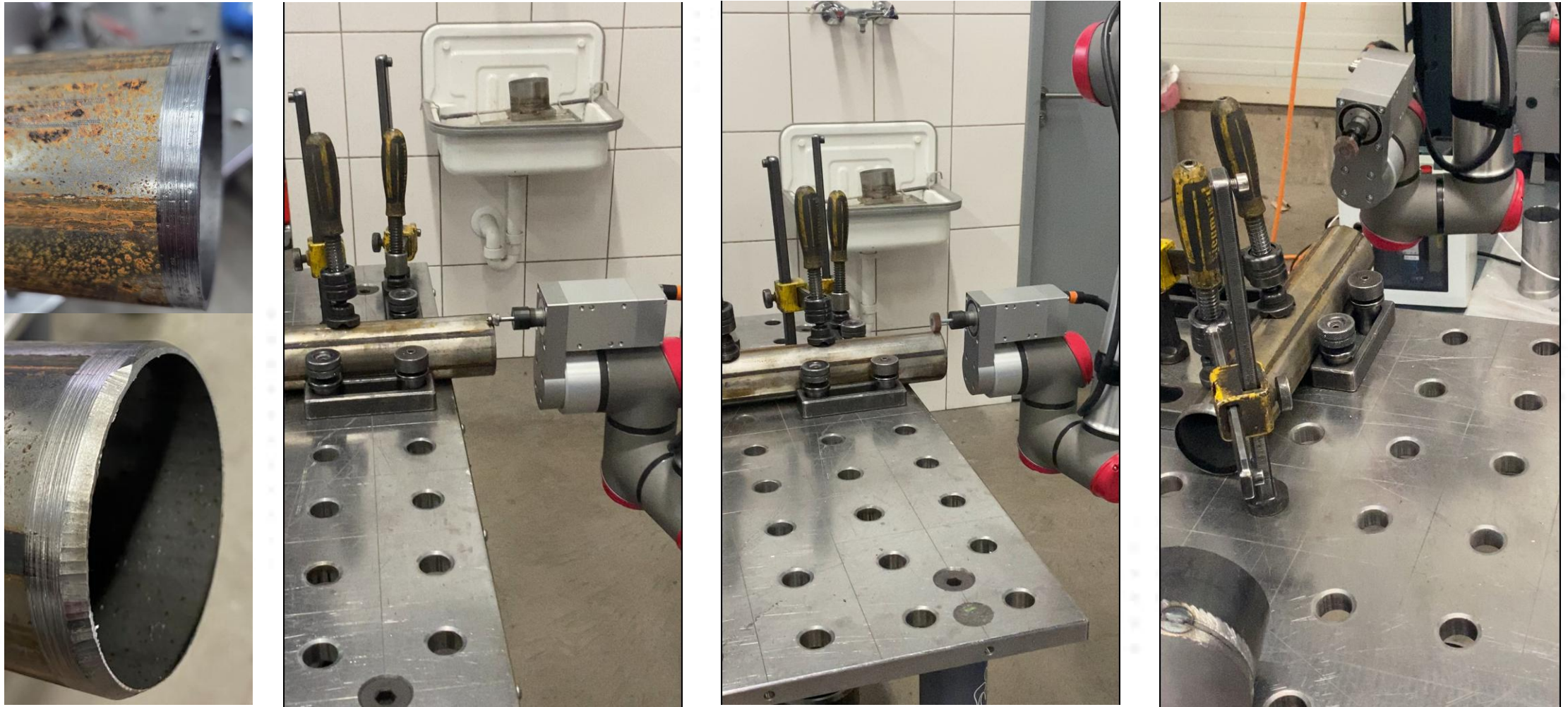
Drilling Yasakawa

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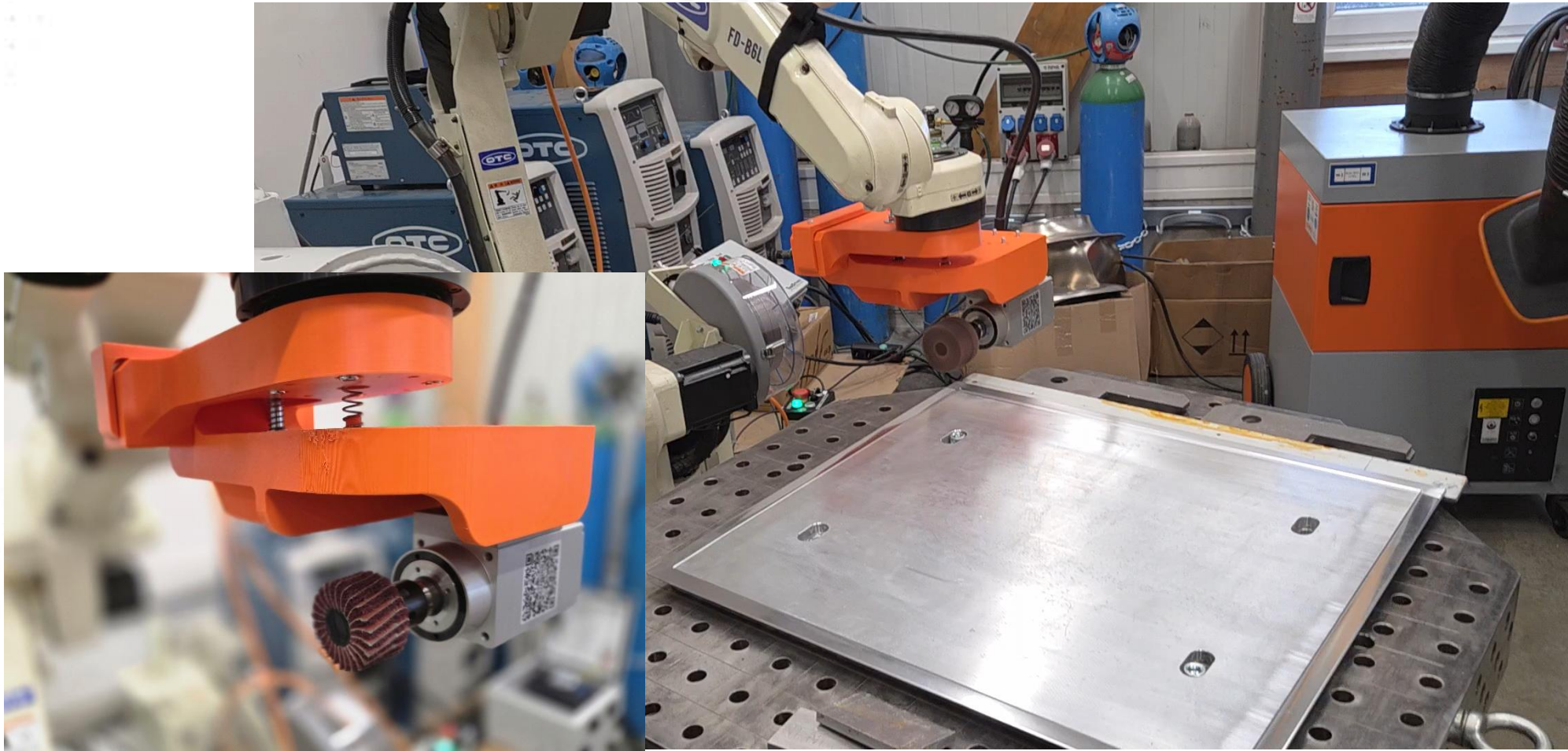
34

## Grinding application example



**Beveling of steel pipes and removal of mill scale for welding preparation with UR10**

## Anwendungsbeispiel Edelstahl polieren:



**Surface finish: Polishing of stainless steel panels**

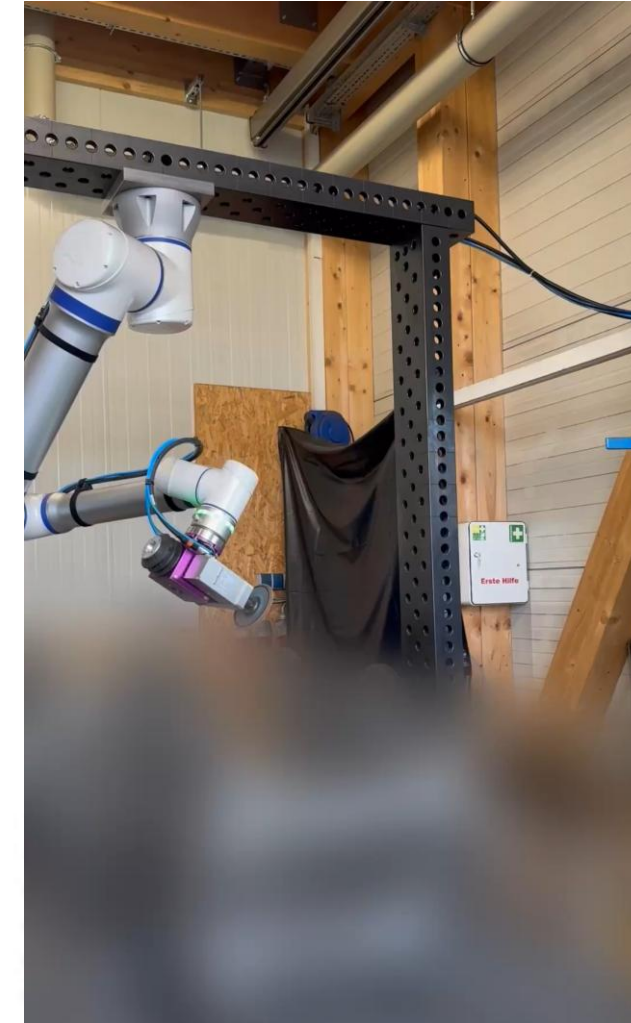
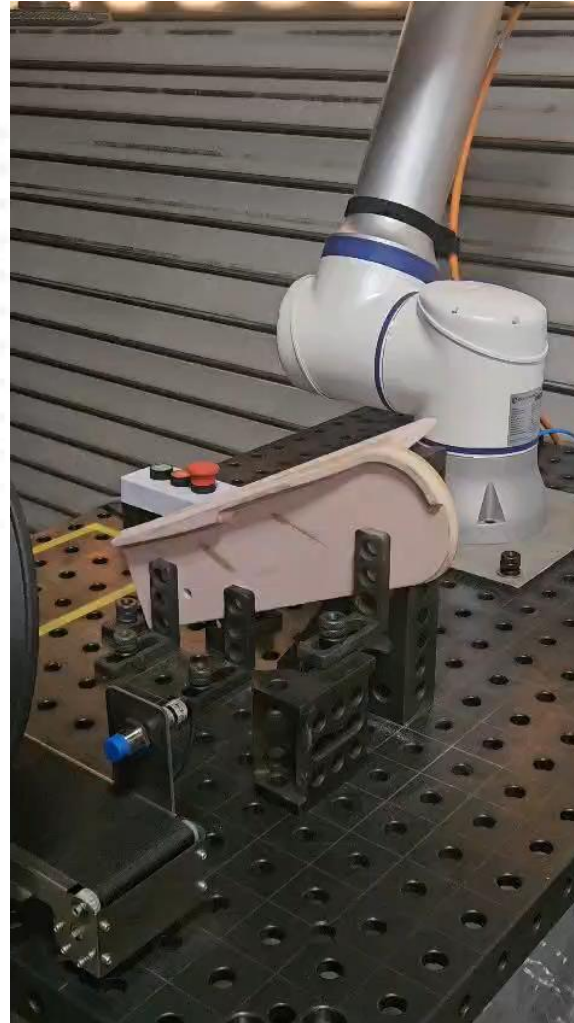
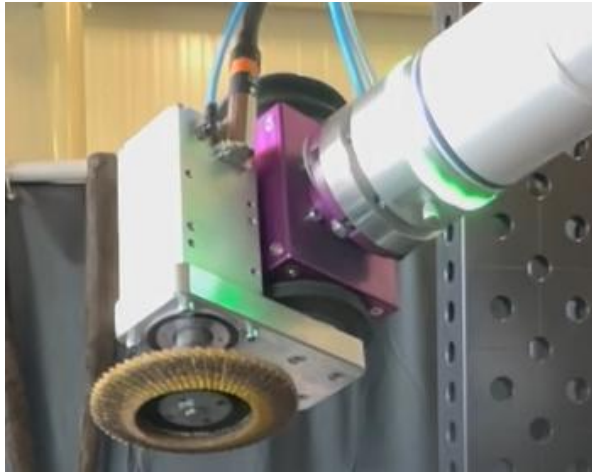
# Steel Grinding V-Seam Preparation & Butt Weld on OTC VD V166



## Grinding Steel

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Application example: Grinding with Elite Cobot

## Robot grinding in the CoLab

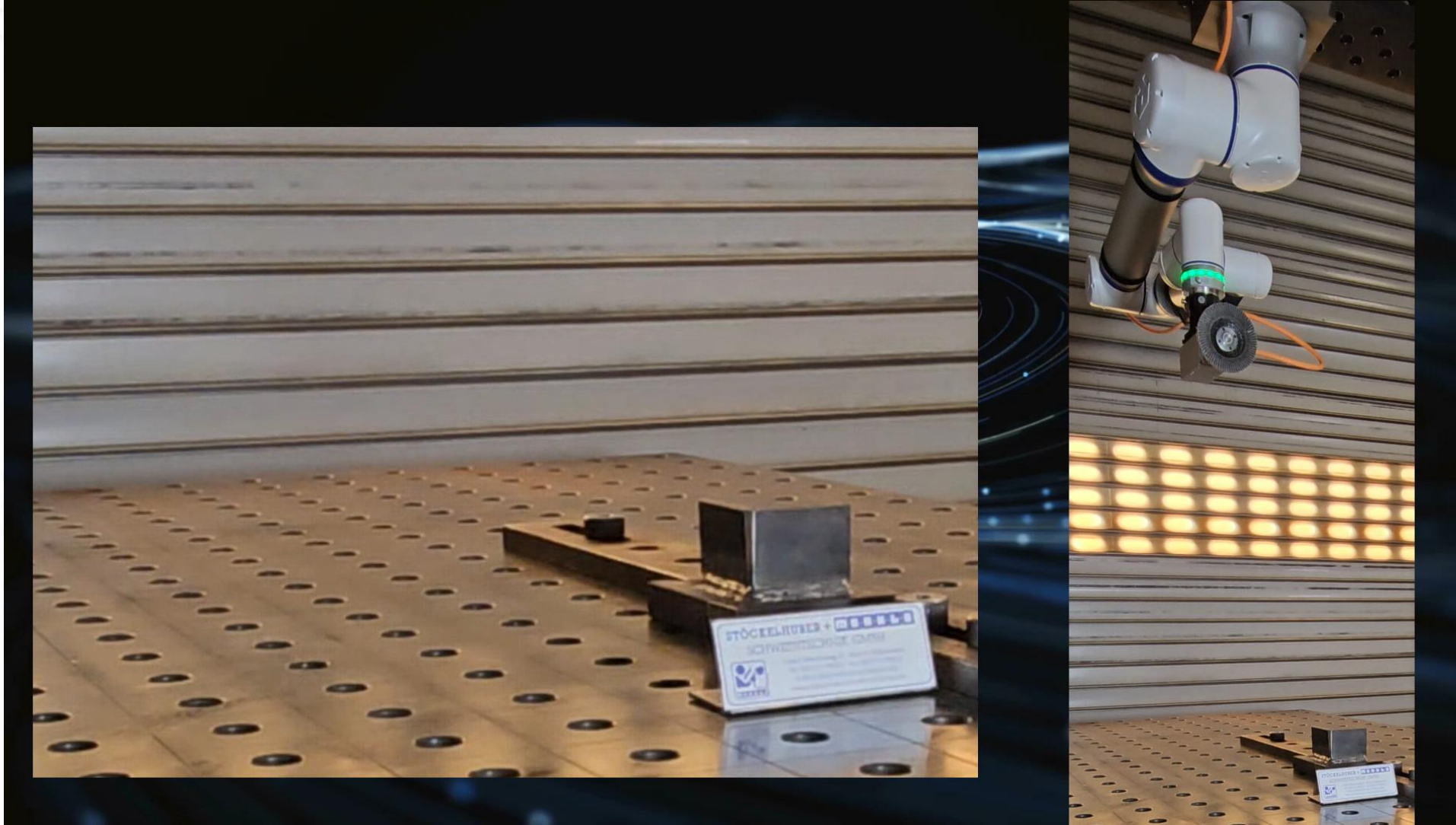


**Robotics Grinding Welds with Fanuc - Schunk CoLab**

## Customer Video – Special Assignment at a Height of 90m



## Grinding application example



### Elite CS612 Grinding

09.06.2026

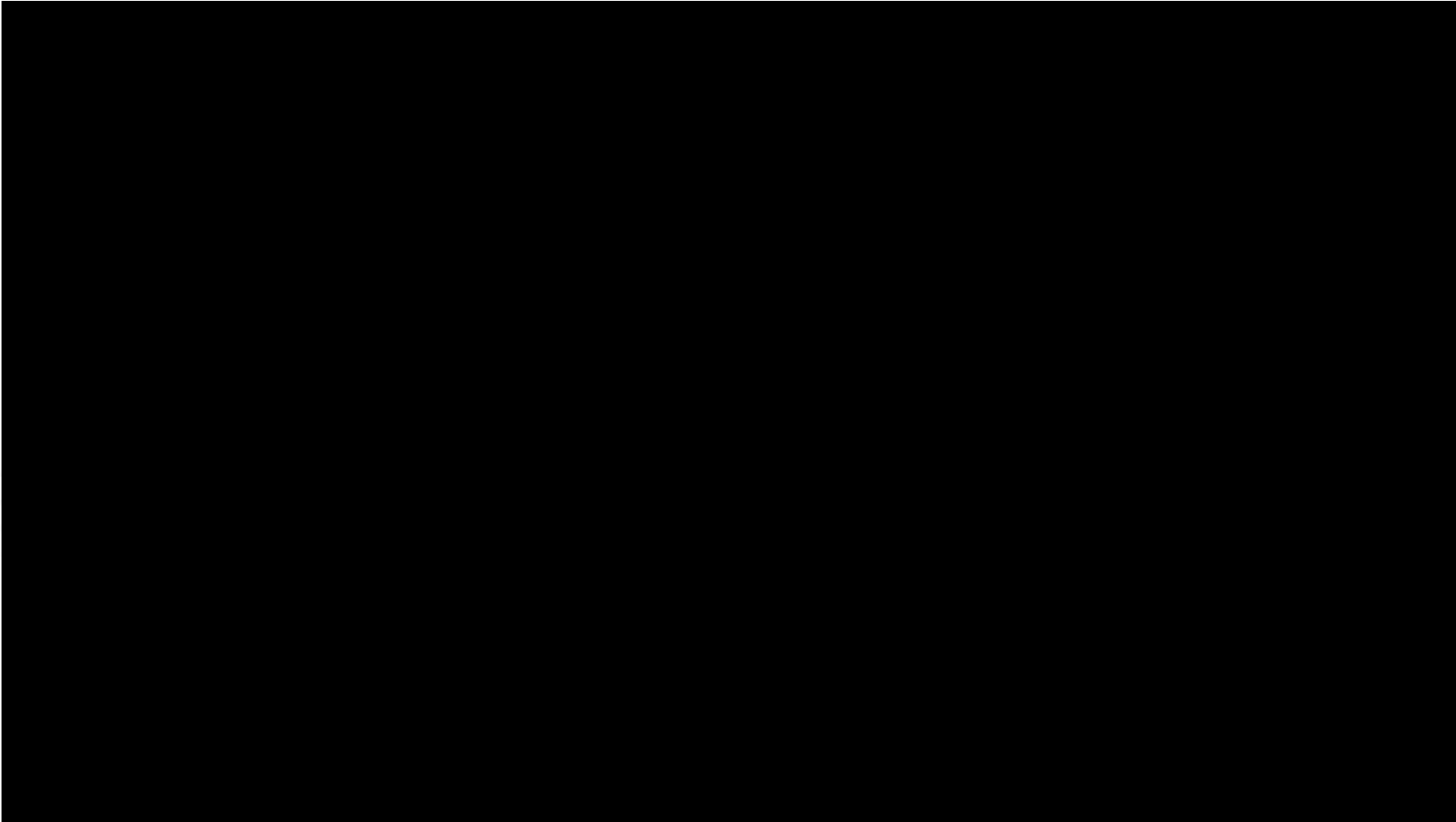
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## Haption application example



### Automated Grinding of a Steel Frame – Haption / Fanuc / Dosan

## Application example Nordbo Robotic



### Automated Grinding of a Steel Frame Nordbo / Nachi



**Thanks for your attention**

**ToolDrives GmbH & Co.KG**

Königlicher Wald 6

D-33142 Büren – Germany

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[www.tooldrives.de](http://www.tooldrives.de)