



family-run business since 1925, with a production area of 5000m<sup>2</sup>

Hiahest Ouality



8 CNC machining centers, with a working space up to 6000 x 3000 x1500mm and 5-axis



62 years of experience in manufacturing aluminium rotational moulding tools



plenty CAD-Workingstations and professionally trained CAD/CAM Employees



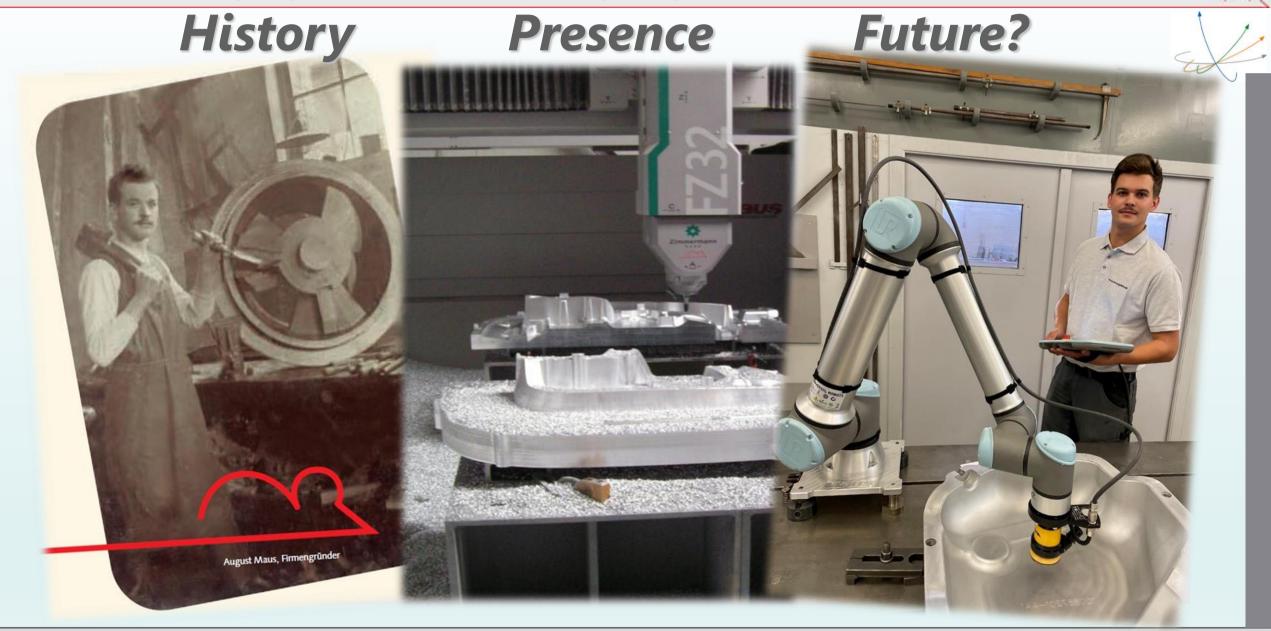
37 years of in-house aluminium foundry casting capacity of 1350kg



over 60 exporting countries









#### Range of Services



Design \* Construction \* Patternmaking
Digitizing \* Re-engineering \* FEA \* Mock-ups
Prototype Molds \* Prototype Parts

# CNC & Cast (Fast-Cast) & Hybrid Aluminum Rotational Molds conventional or electrical heated

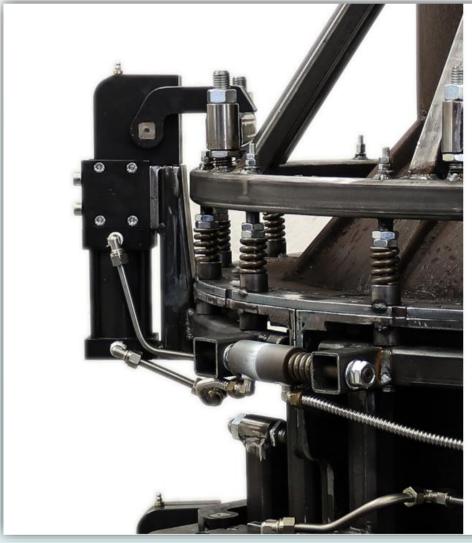
Permanent Coatings \* Mold Accessories Automation \* Performance Solutions Modifications \* Repairs \* Refurbishments





#### **MAUS -XL and -S pneumatic closure**





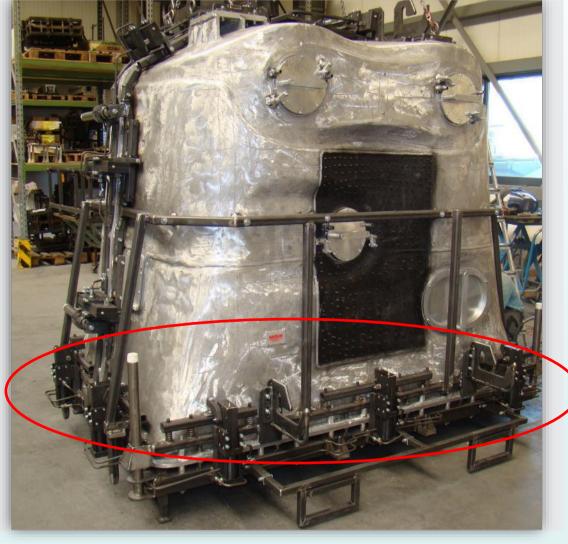
Hiahest Ouality

- Designed for rotomolding
- ✓ Automatic opening/closing
- ✓ Heat resistant
- ✓ Easy visual controllability
- ✓ Pressure-less and safe system (external air to open/close)
- ✓ Powerful closure (>390KG)
- Easy maintenance



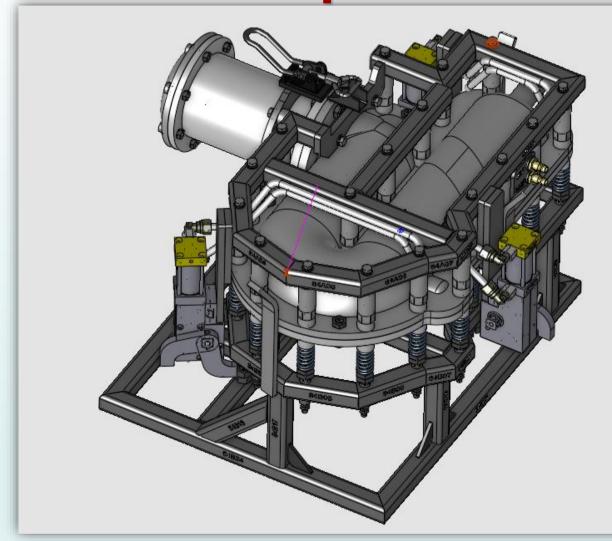
XL Clamps on cast 3-piece mold, 4m<sup>3</sup>

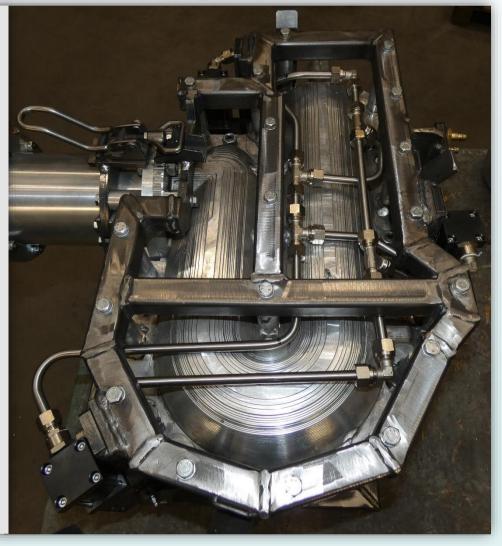






S-Clamps on CNC 3-piece mold, 0,02m<sup>3</sup>







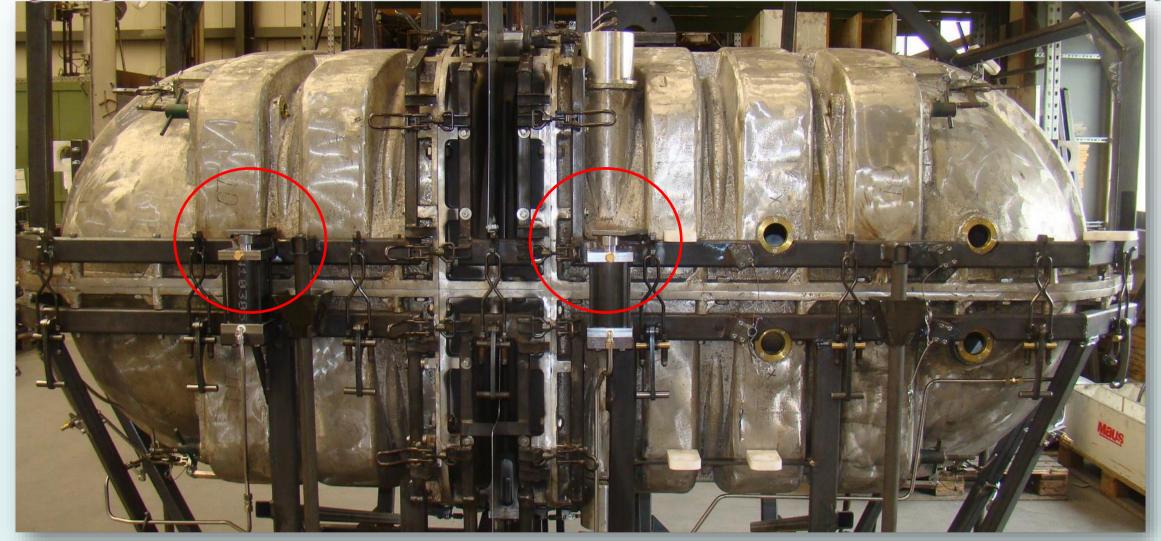
## **Pneumatic prying cylinders**



- ✓ Designed for rotomolding
- ✓ Easy & <u>simultaneously</u> prying
- ✓ Powerful but gentle stroke
- ✓ Preventing mold distortion
- ✓ Preventing flange damages
- ✓ Ease of operation
- Easy maintenance



Pry-cylinders on Cast/CNC combination mold, 6m<sup>3</sup>





### Pneumatic push/pull cylinders

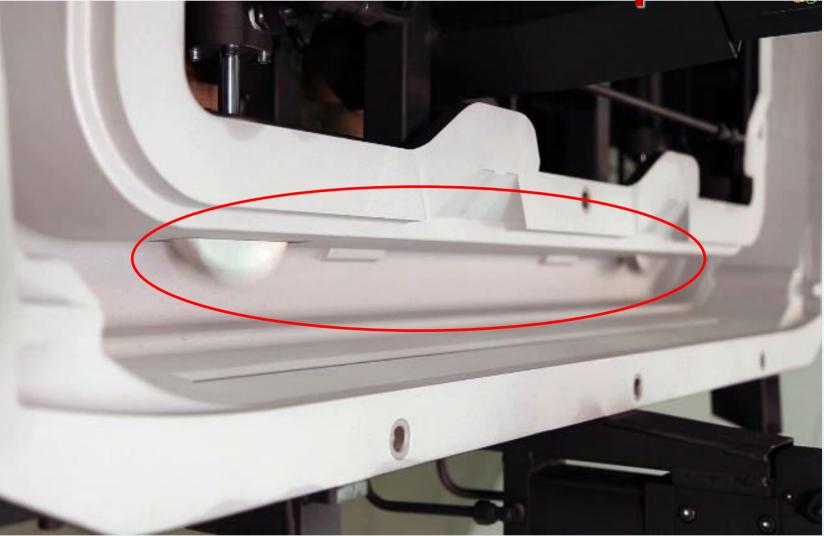


- Designed for rotomolding
- Easy & simultaneously motion
- ✓ Powerful stroke, throttled
- Option to sequence
- ✓ Customized sizes available
- ✓ Ease of operation
- Easy maintenance



Pneumatic retraction of loose parts



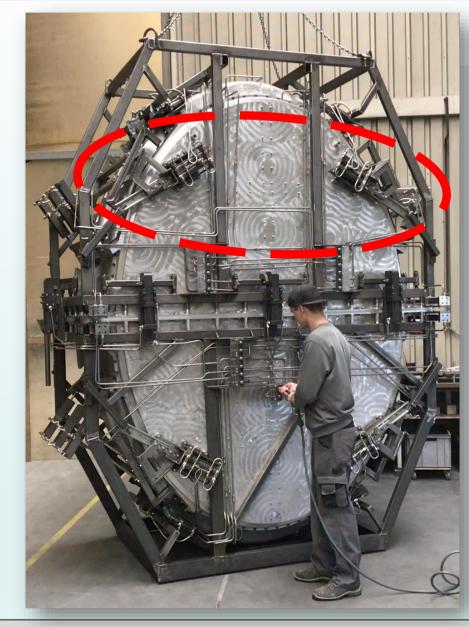




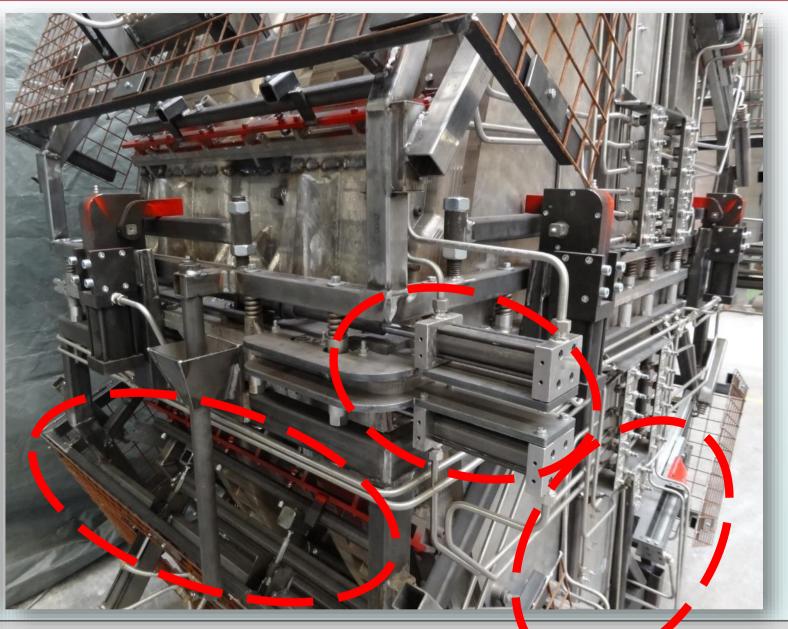
Pneumatic ejectors





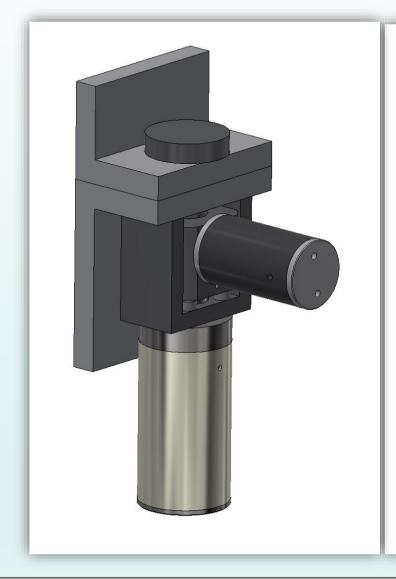


Highest Quality





## **NEW Close/Pry cylinders**

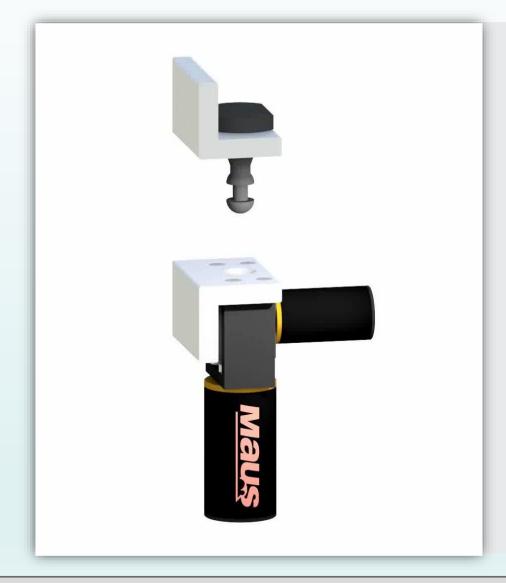


Hiahest Ouality



- ✓ Designed for roto
- ✓ Small footprint
- ✓ For smaller molds
- Guidance + Close + pry motion
- ✓ Simulteanous
- ✓ Ease of operation
- Easy maintenance





#### **NEW Close/Pry cylinders**

- ✓ Designed for roto
- ✓ Small footprint
- ✓ For smaller molds
- ✓ Guidance + Close+ pry motion
- ✓ Simulteanous
- ✓ Ease of operation
- ✓ Easy maintenance



#### **MAUS Drop-Box**

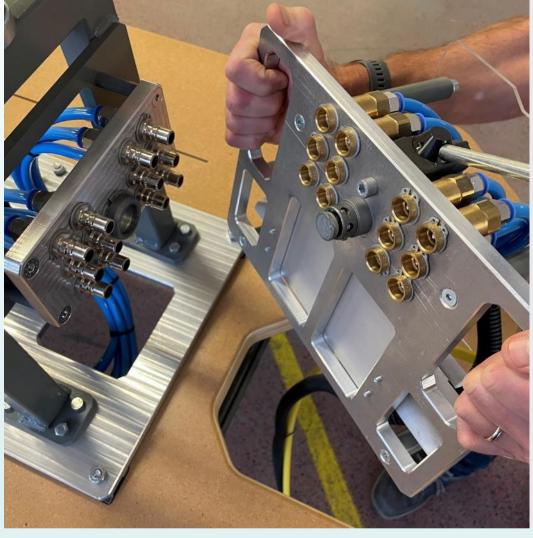




- ✓ Double-walled stainless steel housing, with high-performance insulation
- ✓ Maus-Hole plunger opens/blocks the opening to the mold
- ✓ Best flow of powder due to friction reduction & release properties of BMC-C40 coating
- ✓ Suitable for **24/7** production



**Multi-Coupling for Automation systems** 



- Interface for mold automation
- Easy & quick connection
- ✓ Secure operation (H&S)
- Repeatable, fool proof
- ✓ External control unit
- Easy operation
- Adoption to various molds



**Connection of Multi-Coupling** 



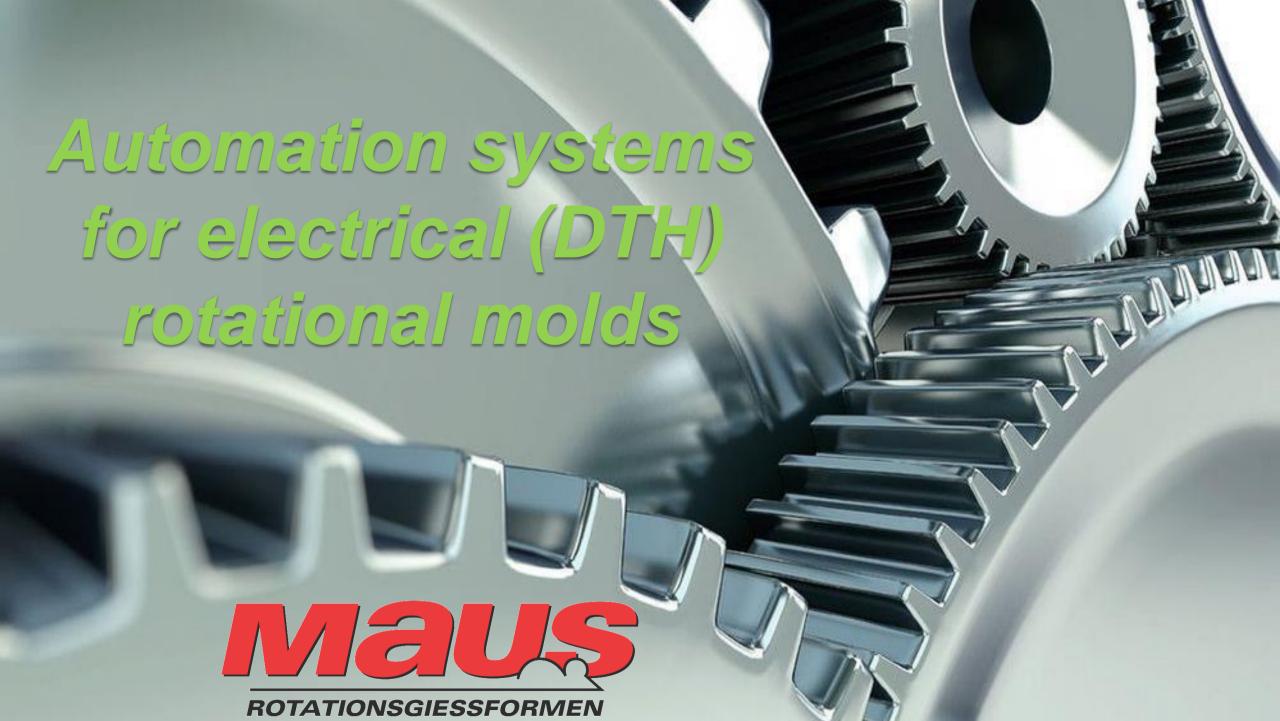




**Multi-Coupling for Automation systems** 







#### **Pneumatic clamps for Robomoulds**





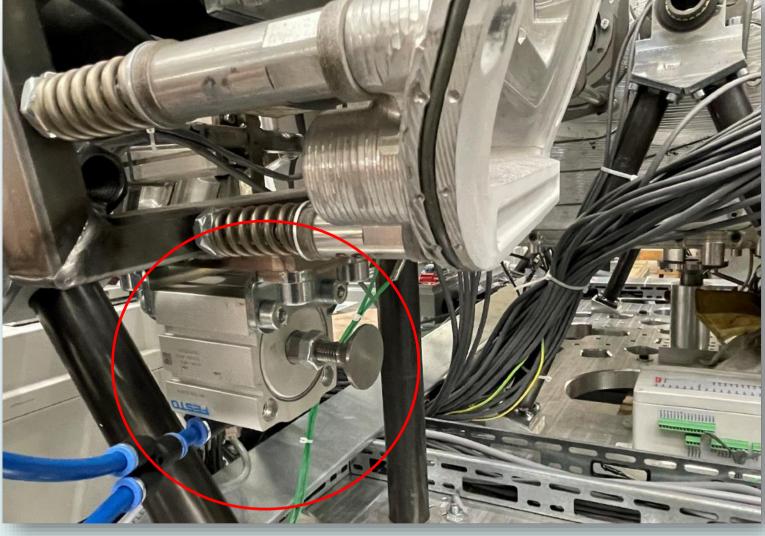
Hiahest Ouality

- \* "Off the shelf" clamps
- \* Different brands/models available
- \* Attractive prices
- \* Digital signals for controllability!
- \* Light weight
- \* Limited heat resistance
- \* Easy maintenance



Highest Quality

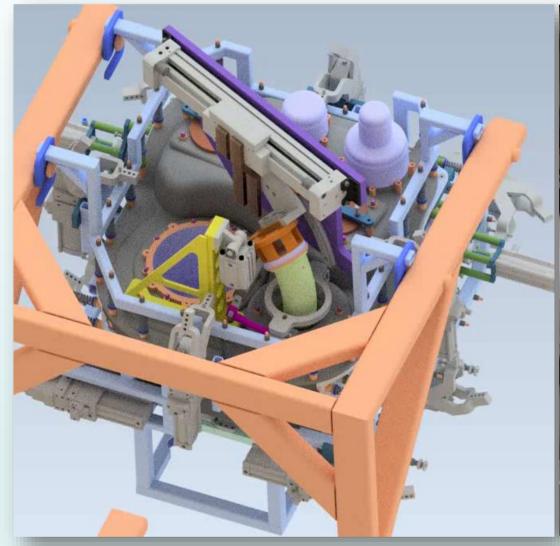
**Prying cylinders for Robomoulds** 

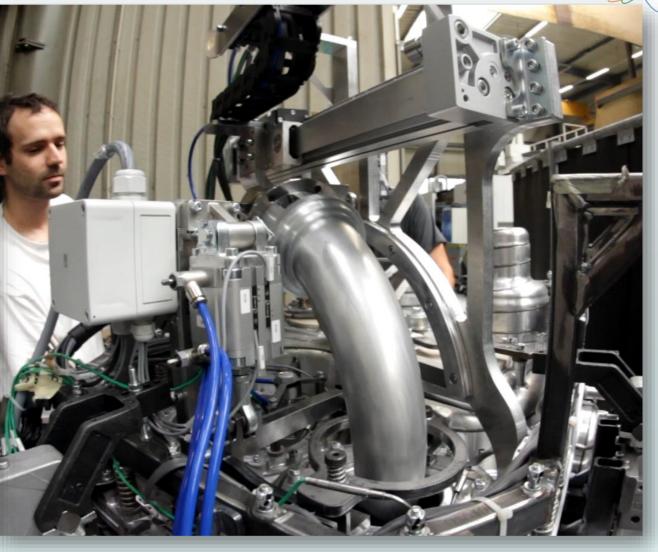






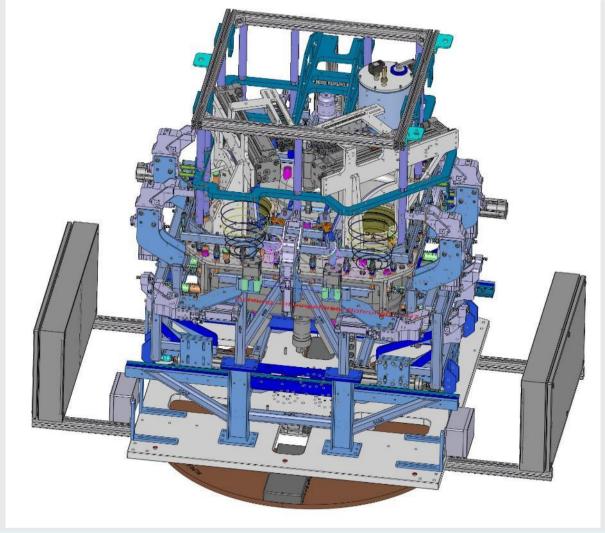
#### **Automatic retraction for Robomould**







Automatic mould change







Autonomous Robomould Project



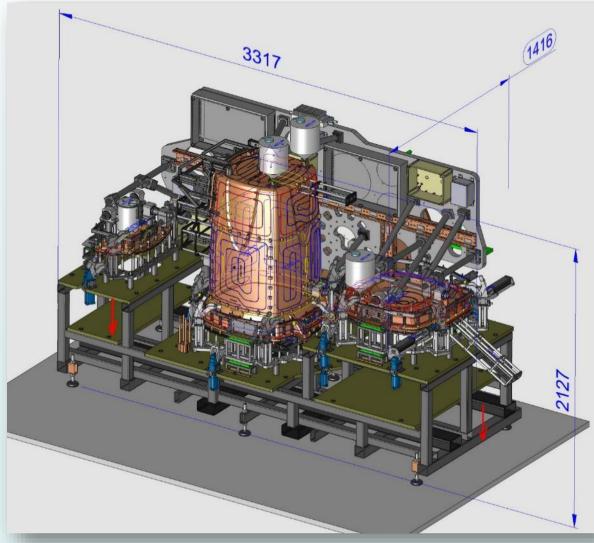
Highest Quality







**Autonomous Robomould Project** 

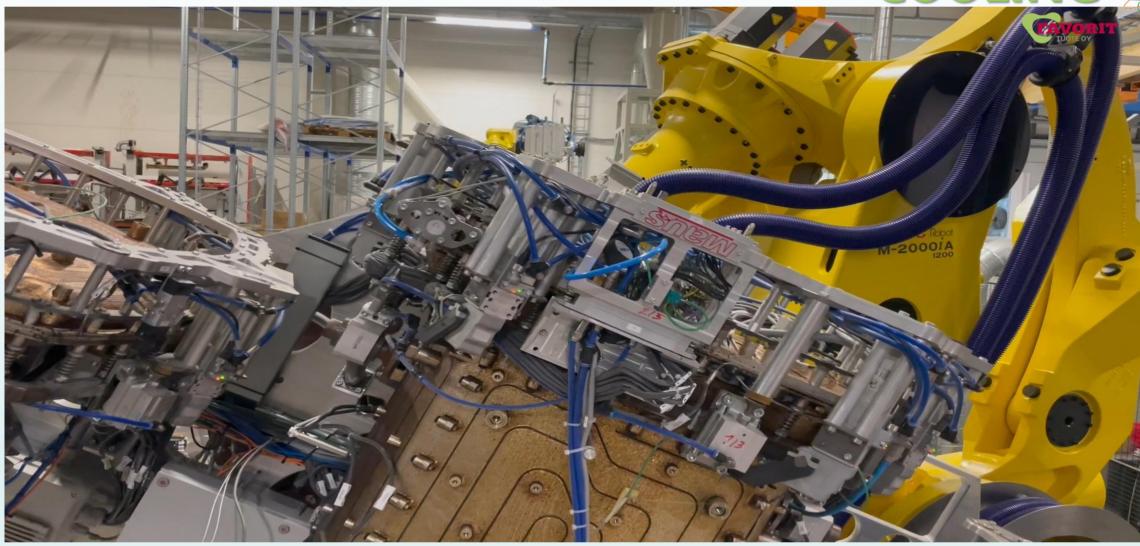


Highest Quality











#### OPENING / DEMOLDING







"Multibox" for Filling, Venting, Control ... <

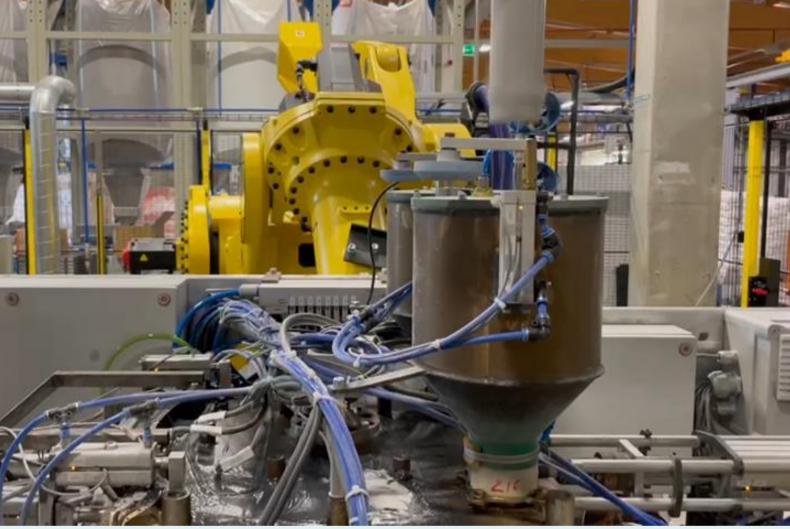


- \* Non insulated hopper/reservoir
- \* Inside C40 coated
- \* Electrical pressure control
- \* Safety valve exits
- \* Active venting (pressurization)
- \* Built-in Thermocouple for PIAT
- Easy maintenance



CLOSING / FILLING







Combination-Mold with and w/o extension &





Fully automated production of Hydrogen Lines





#### www.maus-gmbh.shop



Highest Quality





