



## ROBIN - ROBOTIZED INJECTION MOLDING

### Compact injection system

- Low maintenance costs
- Energy efficient

### Flexible Automation

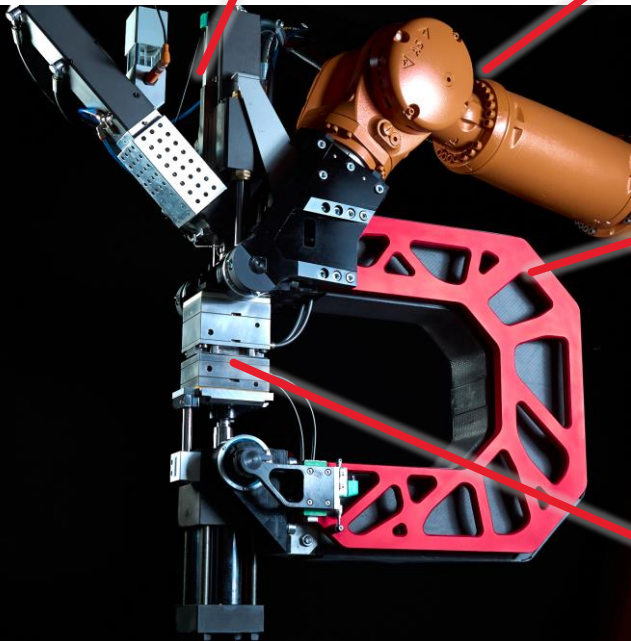
- Variable positioning in the room
- Very good integration ability in existing production lines
- Co-movement, e.g. in continuous processes (extrusion)

### High-performance clamping system

- Load-bearing Carbon C-frame
- Integrated compensation kinematics for parallelization of the mold sides

### Modular Molds

- Master mold-systems with an automated mold change (optional)
- Minimalistic mold design



# ROBIN · Technical Fact-sheet



<b>Clamping Force</b>	60 – 100 kN
<b>Dimensions</b>	Outreach Capacity* 300 – 800 mm Depth ~300 mm Height ~800 mm
<b>Weight</b>	~ 140 kg (+ mold)
<b>Shot volume</b>	From 0,02 till 36 cm <sup>3</sup>
<b>Processable materials</b>	All Common Thermoplastics incl. <ul style="list-style-type: none"><li>▪ Fiber-Reinforced Types</li><li>▪ High-Temperature Thermoplastics (e.g. PEEK)</li></ul>
<b>Automation Options</b>	<ul style="list-style-type: none"><li>▪ 6-Axis-Robotics (e. g. KUKA KR 150)</li><li>▪ Individualized Linear-Axis-Systems</li><li>▪ CNC-Systems</li></ul>
<b>Mold-Size</b>	Standard Configuration 150 x 150 mm <sup>2</sup> Maximum Mold-Edge Length: ~500 mm
<b>Components</b>	<ul style="list-style-type: none"><li>▪ Injection-Molding System</li><li>▪ Lightweight-Clamping Unit</li><li>▪ Robot Connection</li><li>▪ Control System</li><li>▪ Mold System (Master Mold)</li></ul>
<b>Optional Equipment</b>	<ul style="list-style-type: none"><li>▪ Periphery (Temperature Control, Drying, Pellet-Transport)</li><li>▪ Automatization</li><li>▪ Mold-Change Station</li><li>▪ Specific Mold Design</li></ul>

\* inside the C-Frame

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