



Overview of robotic systems

Everything from a single source

ARBURG

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Flexible handling

Our robotic systems, which can enter the mould horizontally and vertically, can be perfectly adapted for every insertion and removal task. The product range extends from simple sprue removal through to complex handling tasks. Robotic technology “Made by ARBURG – Made in Germany” offers numerous benefits.

- Integrated: one control system, one regulating intervention, one data record. Robotic system and machine movements synchronised via central SELOGICA control system. Extended real-time connection for fast cycles and greatly improved functionality compared to EUROMAP connection.
- Flexible: various options for combining axes, axis lengths as well as servo-electric and pneumatic axis drives.
- Plug and work: CE-certified production unit consisting of ALLROUNDER and robotic system with guarding. Quickly ready for production and easily retrofitted
- System supplier: individual ARBURG turnkey systems

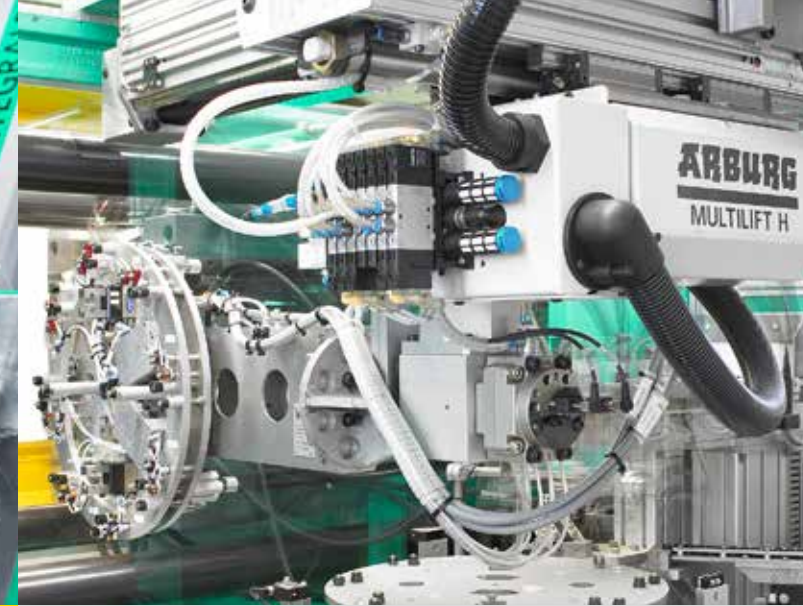


New: MULTILIFT SELECT 6+1

ARBURG extends its product range regularly and practice-oriented. A current example is the vertical MULTILIFT SELECT 6+1 robotic system.

- Customer-oriented: cost-effective standard solution, which can simultaneously remove moulded part and sprue
- Predestined: for 3-platen moulds, temperature-sensitive materials and applications in the micro-component sector
- Freely programmable: three servo-electric main and two servo-electric auxiliary axes
- Resilient: designed for handling weights of 6 kg (moulded part) and 1 kg (sprue)





Efficient: INTEGRALPICKER V

The servo-electric, vertical INTEGRALPICKER V is designed for simple, rapid and reliable sprue removal.

- Cost-effective: entry into automated handling
- Fast: three freely programmable servo-electric axes for simultaneous movements, high dynamics and energy efficiency as well as significantly shorter action times compared to pneumatic pickers
- Set-up free: stroke-dependent movements with high repeat accuracy
- Space-saving: unobstructed mould installation from above



Powerful: MULTILIFT H

The horizontal MULTILIFT H robotic system is ideal for gentle handling of moulded parts.

- Compact: entry into the mould from the rear, ideal for low-ceiling factories, clean room applications and vertical injection into the parting line, e.g. in multi-component injection moulding
- Reliable: high process reliability and part quality compared to free-fall demoulding for failure-free production process and high availability
- Fast: short action times thanks to interactive teach-in functions
- Modular: variably combinable axes, axis lengths and axis drives



Versatile: MULTILIFT SELECT / V

The vertically operating MULTILIFT robotic systems are ideally suited to complex part removal and destacking processes.

- Preconfigured: cost-effective and simple retrofittable MULTILIFT SELECT entry level model
- Flexible: MULTILIFT SELECT and MULTILIFT V with three servo-electric movement axes and pneumatic gripper axis permit freely programmable pick-up and set-down patterns
- Tailored: MULTILIFT V in a variety of designs and handling weights, comprehensive expansion options



Flexible: six-axis robotic systems

For complex and demanding handling tasks, ARBURG offers an operator-programmable six-axis robotic system.

- Freely moveable: six axes for 3D movements, e.g. for near-contour refinishing
- Intuitive: SELOGICA user interface implemented in the machine control system of the robotic system.
- Coordinated: reduced cycle times through extended real-time connection, robotic and machine movements synchronised
- Compact: ideal for low-ceiling factories, clean room applications and vertical machines due to low space requirement
- Efficiency enhancing: integration of upstream and downstream production steps as well as interlinking of processes



At a glance

- Customised complete solutions
- Wide product range
- Central SELOGICA controller
- Fast set-up with teach-in functions
- Synchronised movements of robot and machine
- Straightforward programming of six-axis robot

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