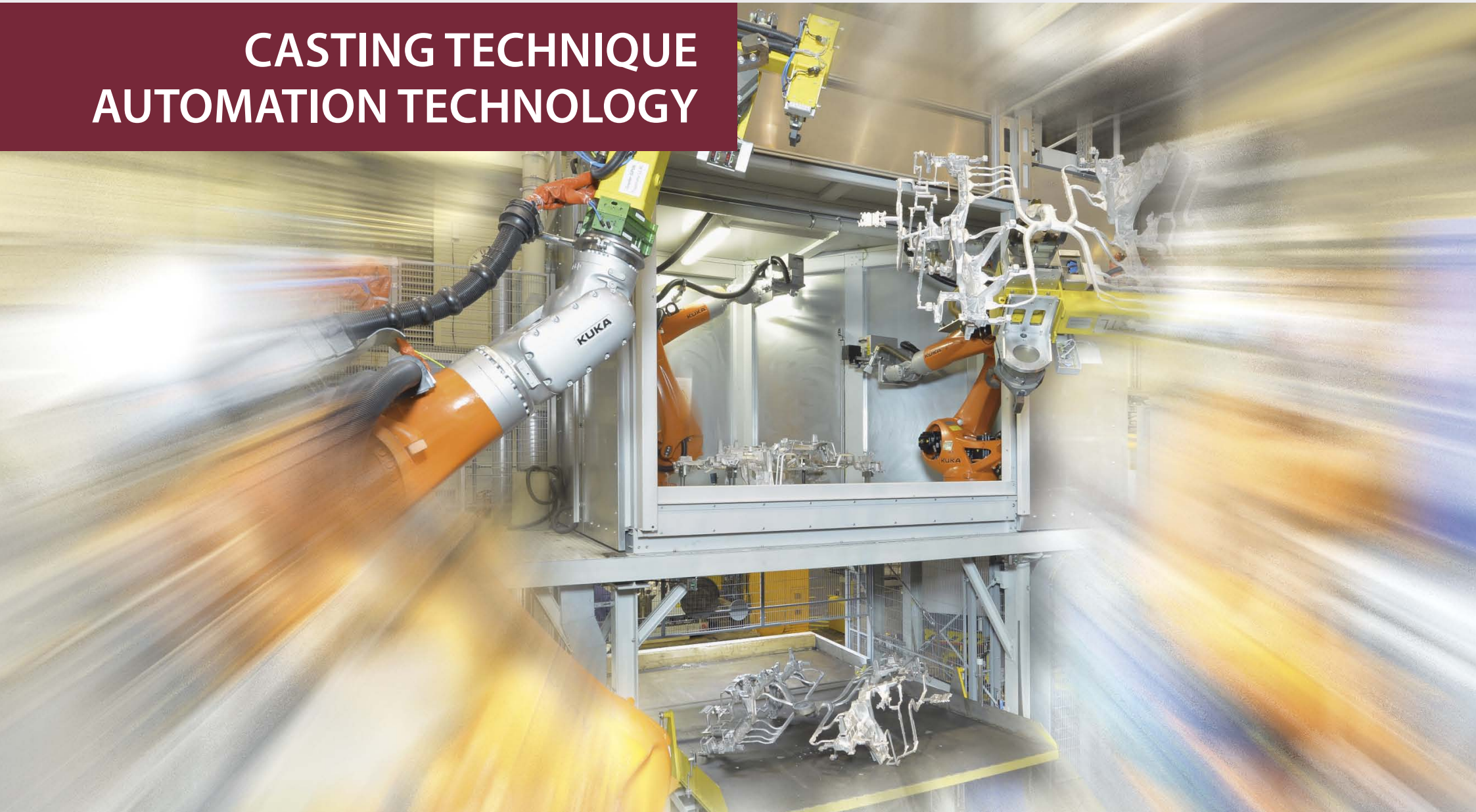


*-innovation
with automation.*

ERTL

**CASTING TECHNIQUE
AUTOMATION TECHNOLOGY**



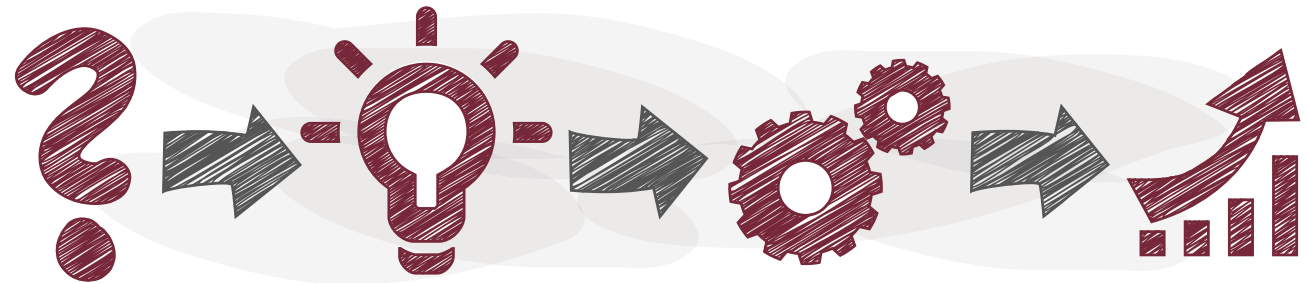
What do you get at ERTL?

We provide everything from one source

- Mechanical design
- Electrical design
- Software development
- PLC and robot programming
- Mechanical engineering
- Project management + implementation
- Production
- Control cabinet construction
- Assembly + service on site
- Quality assurance

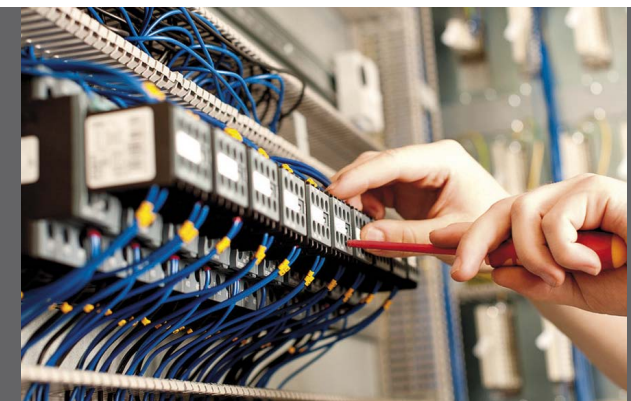
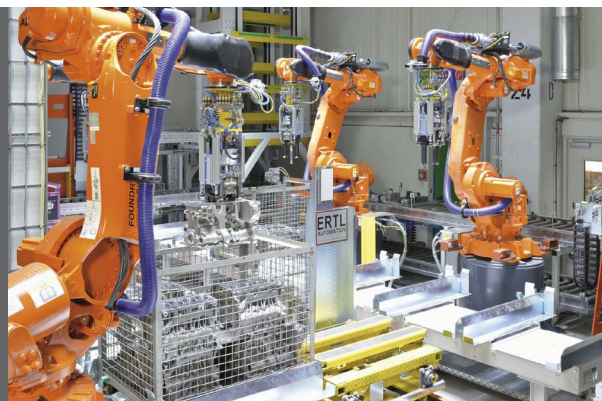
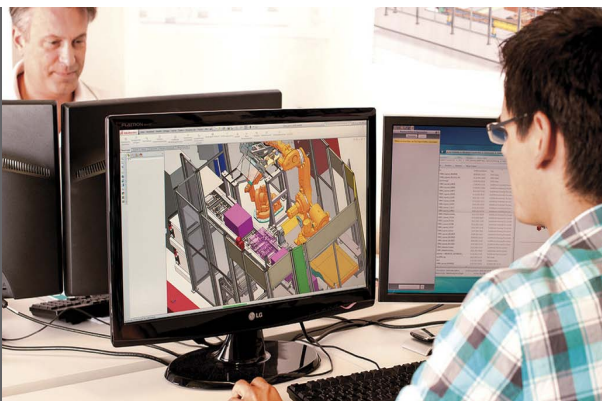
■ Your benefit

Name your task and we will provide a complete solution. You will have a single, competent contact partner for all technical and electronic challenges. Innovative and committed!

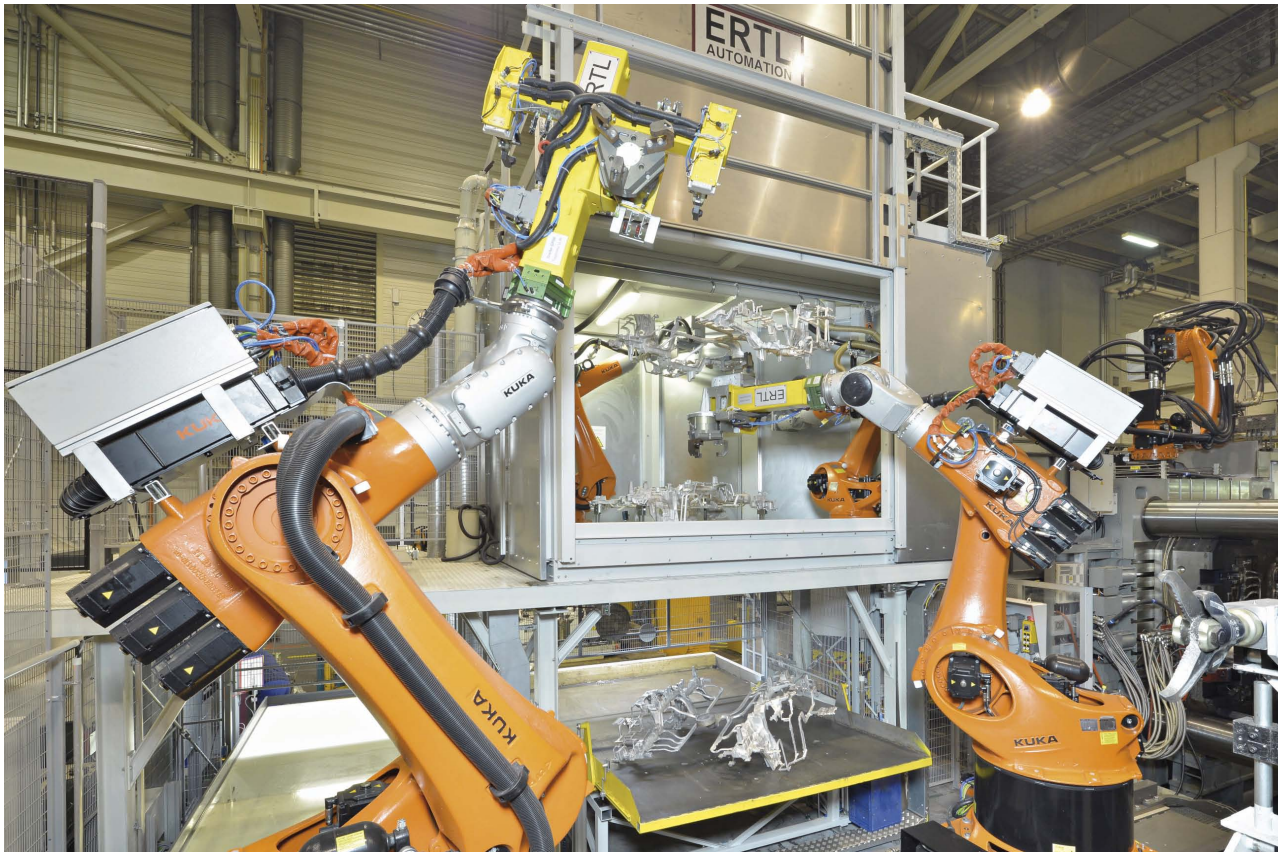


COMPLETE SOLUTIONS

We are your automation specialist
for mechanical and electronic engineering

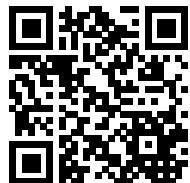


ERTL - THE SYSTEM INTEGRATOR



- Combination of various components in one system
- Higher-level risk assessments
- Complete CE procedure
ERTL performs the CE procedure for the complete system, including integrated machines of third party manufacturers
- Coordination of the complete procedure for cycle time optimisation
- Interface coordination with all process partners

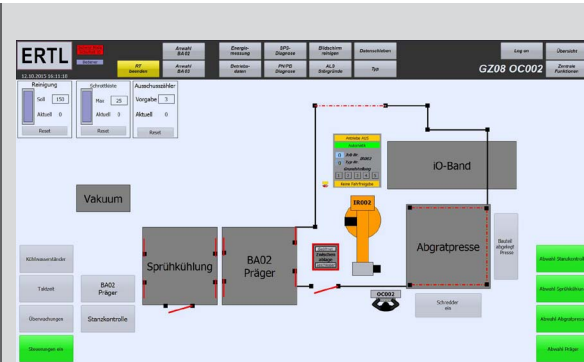
■ Direct video link



ERTL CONTROL CONSOLE TECHNOLOGY

■ Our expertise

- Merging of all data from the different processes
- The data matrix code is used to transmit all parameters to the higher-level data system of the customer
- The control console technology can be used to control all communication and safety systems from one standard interface
- A higher-level operating and control system
- Safe and efficient solution for optimum networking of the systems
- Providing you with a clearly structured workplace
- User-friendly interface



- Higher-level emergency stop concept
- Central visualisation
- Short distances, high efficiency of operators

ERTL LASER TECHNOLOGY



■ Laser cabins

- We provide individual laser cabins in modular design, providing highest flexibility with special sectional gates, which are 100% light-proof and have an accessible platform.
- The size of the cabin provides maximum flexibility for handling and moulding components of all sizes.
- Laser coiners attached to the robot ensure maximum component flexibility.
- With a number of robots, double-moulded parts can also be machined at high cycle times.
- Our system helps to achieve a significant time saving as well as higher security and quality.

- Integration of any laser components is possible
- Individual design of dimensions as required
- Different process workflows possible



ERTL SPRAY COOLING

■ Spray cabins

Spray cabins from ERTL were specifically designed for die casting machines.

Their extremely fine spray mist enables fast, even cooling off of die cast parts, which can prevent internal stress and warping. This way, a continuously uniform quality of die castings can be achieved.

As with all ERTL systems, our spray cabins can also be completely individually adapted to your requirements. For example, we can integrate optional extras if required in the form of support frames or rotary tables.

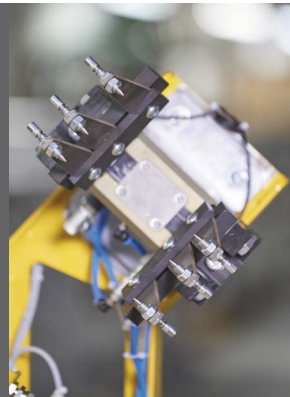


- Modular design
- Use of stainless steels possible
- Integration of optional extras

ERTL GRIPPER SYSTEMS



- **Our innovative robot grippers**
 - Especially projected grippers for many different applications
 - Highest demands on reliability and safety are met
 - Excellent maintenance properties with easily accessible openings that are closed during operation
 - Energy and media supply occurs inside the gripper
 - Firm hold in case there is no energy
- **Clamping gripper**
- **Form fit gripper**
- **Suction gripper**
- **Rotary gripper**



ERTL

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with automation.*

ERTL Automation GmbH & Co. KG
Budapester Straße 5 | D-94315 Straubing
Ph: +49 (0) 9421 1847-0
Fax: +49 (0) 9421 1847-20
Mail: office@ertl-gmbh.de

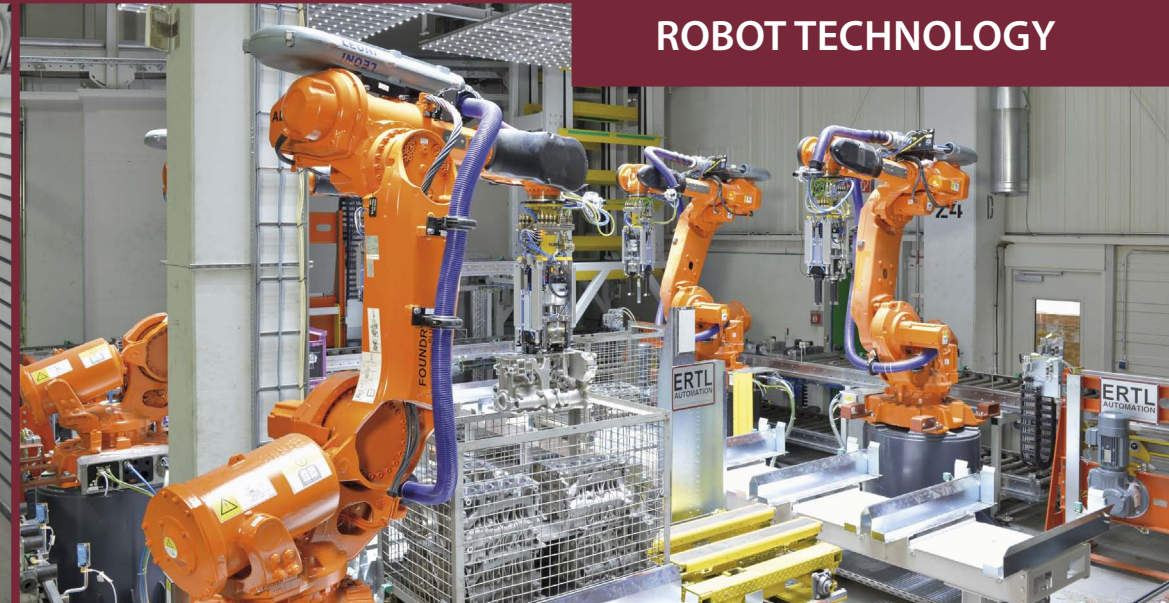


www.ertl-gmbh.de

PALLETISING TECHNOLOGY



ROBOT TECHNOLOGY



HANDLING TECHNOLOGY



LIFTING SYSTEMS

