

GESSMANN[®]
ROBOTIC CELL

GESSMANN

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GESSMANN®

YOUR SOLUTIONS FOR MODERN COBOT CELLS

The GESScell combines precision, efficiency, and flexibility in a single system. It not only performs classic welding tasks, but also maps complete process chains – from setup and material provision to the finished product.

Unlike conventional welding cells, which are usually limited to a single process, the GESScell offers significantly more possibilities thanks to its integrated tool change system.

Welding can be combined with additional processing steps – for greater productivity and versatile application options.



CE-certified safety concept



Simple, intuitive operation



High flexibility



Consistent, reproducible welding quality



Low total cost of ownership

GESSMANN

GESSMANN®

MAXIMUM EFFICIENCY MINIMUM COSTS

- ✓ **Complete process automation** – from setup and material provision to the finished product
- ✓ **Maximum cost-effectiveness** – significantly reduced personnel costs and a fast ROI.
- ✓ **Flexibly expandable** – more than just welding possible thanks to the tool change system.
- ✓ **Welding equipment-independent** – compatible with all common robotic welding equipment.
- ✓ **Easy to use** – intuitive programming without expert knowledge.
- ✓ **Certified safety** – TÜV and CE-tested complete solution, ready for immediate use.

SYSTEM DATA:

Cell dimensions: 1180 mm × 2090 mm × 2235 mm

Cobot working range: 1300 mm, 12 kg

Supported welding processes: MIG/MAG, TIG

Tool change system: flexibly expandable

Integrated cobot camera: automatic component recognition, documentation

User interface: intuitive HMI, drag & drop, teach-in

Safety features: CE, TÜV tested, glare protection, smoke extraction

Network connection: interfaces such as Profinet, Ethernet/IP, OPC-UA


Options/extensions: e.g., AI-based image evaluation, database connection





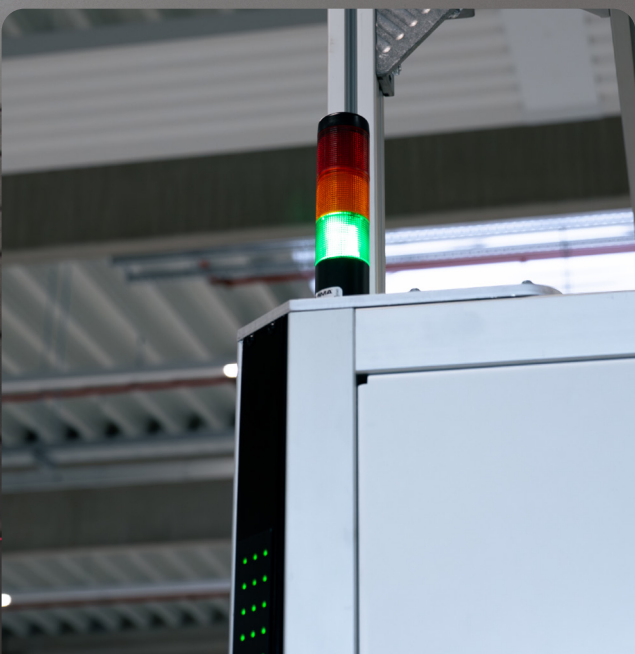
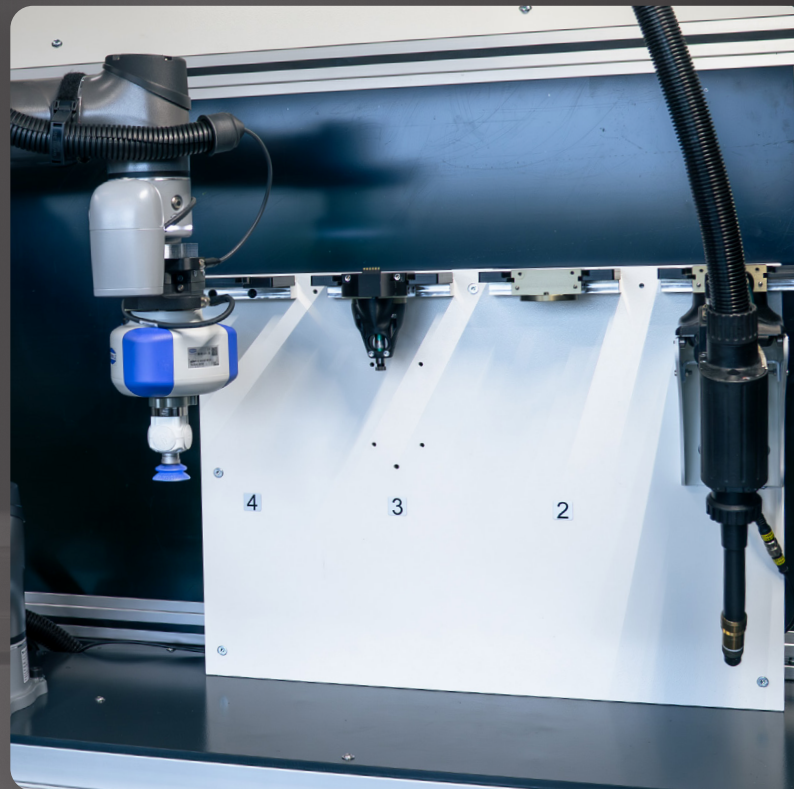
SIMPLE PROGRAMMING *WITHOUT EXPERT KNOWLEDGE*

Unlike traditional industrial robots, which require special expertise, the GESScell can be programmed intuitively.



MAXIMUM VALUE CREATED *MINIMUM STAFFING REQUIRED*

While conventional welding cells often tie up personnel for loading or changeovers, the GESScell automates entire process chains.



CERTIFIED SAFETY

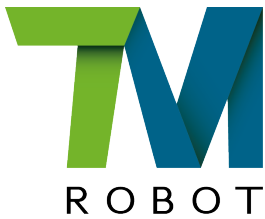


Our TÜV and CE-certified complete solution offers the highest quality and safety – ready for immediate use. Trust in proven technology that simply works.

WELDING REIMAGINED WITH THE ROBOTIC CELL

At Gessmann, we faced the challenge of welding small and medium-sized series with changing components efficiently and safely. Conventional robots were too inflexible, manual welding too time-consuming.

The solution: our GESScell – compact, CE-compliant, DEKRA-tested, and ready for immediate use. Today, we weld faster, more safely, and more flexibly – developed from practical experience and made for practical use.



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GESSMANN®



Over 95 years experience and quality!



World market leader industrial joysticks



Strong growth worldwide

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