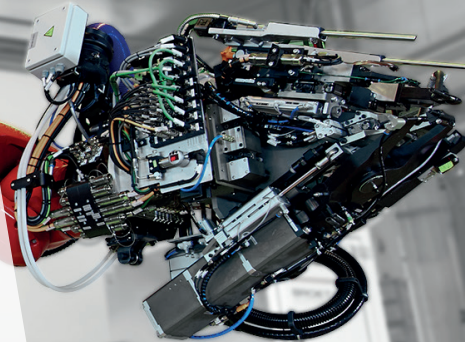


ROBOTIC SOLUTIONS

FOR INDUSTRIAL
ASSEMBLY
PROCESSES



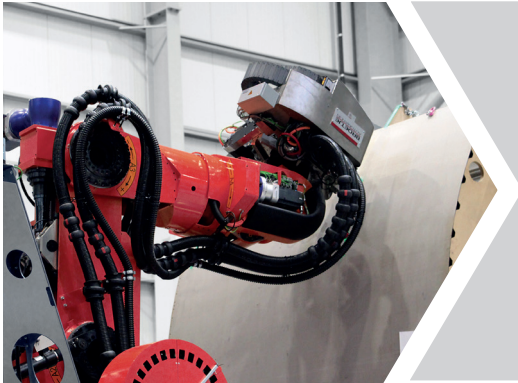
- We are your integrator for industrial robotic solutions.
- Flexibility, Accuracy and Efficiency for your shopfloor

COMPOSED TO COMPETE

CUSTOMIZED ROBOTICS - INDIVIDUAL SOLUTIONS FOR YOUR REQUIREMENTS

For more than two decades Broetje-Automation has been integrating customized robotic solutions with multiple industrial processes. Based on this experience we are able to provide the right solution for your individual task.

Our customized robots cover the entire spectrum of capabilities, from the small and lightweight mobile cobots to the stiffest and most accurate robots available on the market.



PowerRACe – Highest precision under heavy forces

3 Times Stiffer than a Standard Robot

- Highest accuracy and repeatability
- Extreme reliability and availability
- Minimized torsion and deflection
- Kinematic to handle high forces and accuracy
- Symmetrical force arrangement
- No backlash -> master slave drives
- Standard off the shelf components



Cobots – Flexible and Collaborative

Light automation for your manual operations

- Ergonomics improvement
- Human-Robot collaboration - „Robotic Colleague“
- Paperless reporting
- Special dedication Systems
- stationary or mobile system
at Autonomous Guided Vehicle (AGV)



STANDARD INDUSTRIAL ROBOTS – PROVEN TECHNOLOGY

Standard robots are ideal for easy automation. High-performance, low initial investment cost and most of all, the adaptability of robots make them the perfect choice for efficient automation solutions. Our software developed specifically for robotics significantly improves positioning accuracy and repeatability of standard robots.



Robot Integration – Standardize your industrial processes

Tailor Made Process Integration

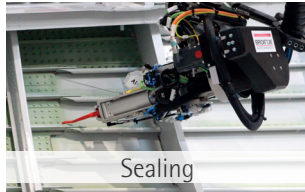
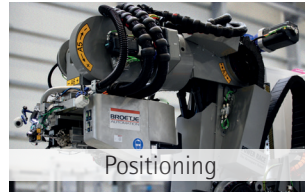
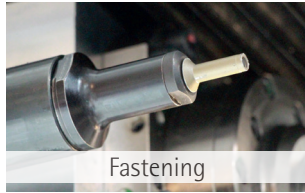
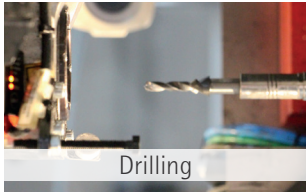
- Standard components
- Cost-effective controller with Siemens 840 DSL
- Safe movements in confined spaces
- Off-the-shelf robots (Kuka, Comau, etc.)
- Multiple process end-effectors available



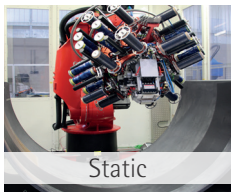
OPTIONS FOR CUSTOMIZATION - TAILORMADE TO YOUR NEEDS

Industrial robotic applications cover a wide range of different applications. As your robot integrator for we can provide multiple industrial processes with both in-house as well as third party technologies in order to provide you the best solution for your requirements.

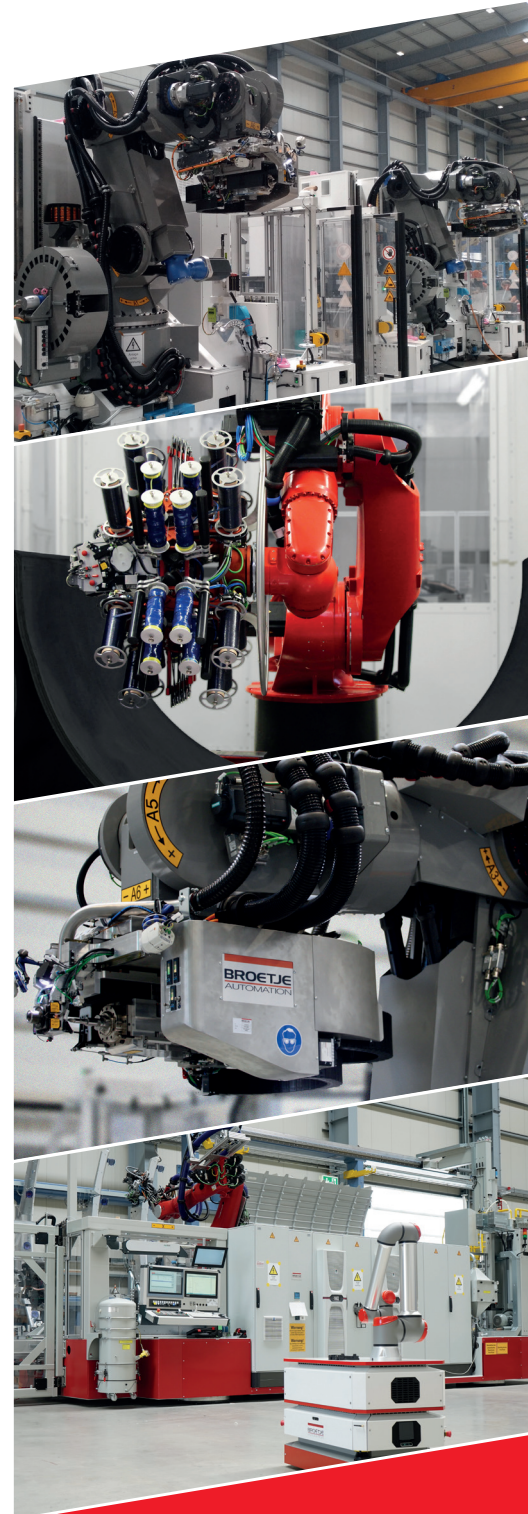
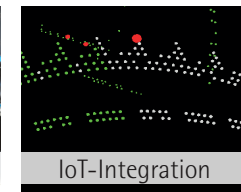
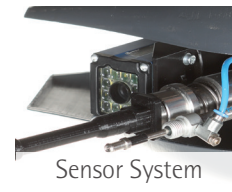
Application



Configuration



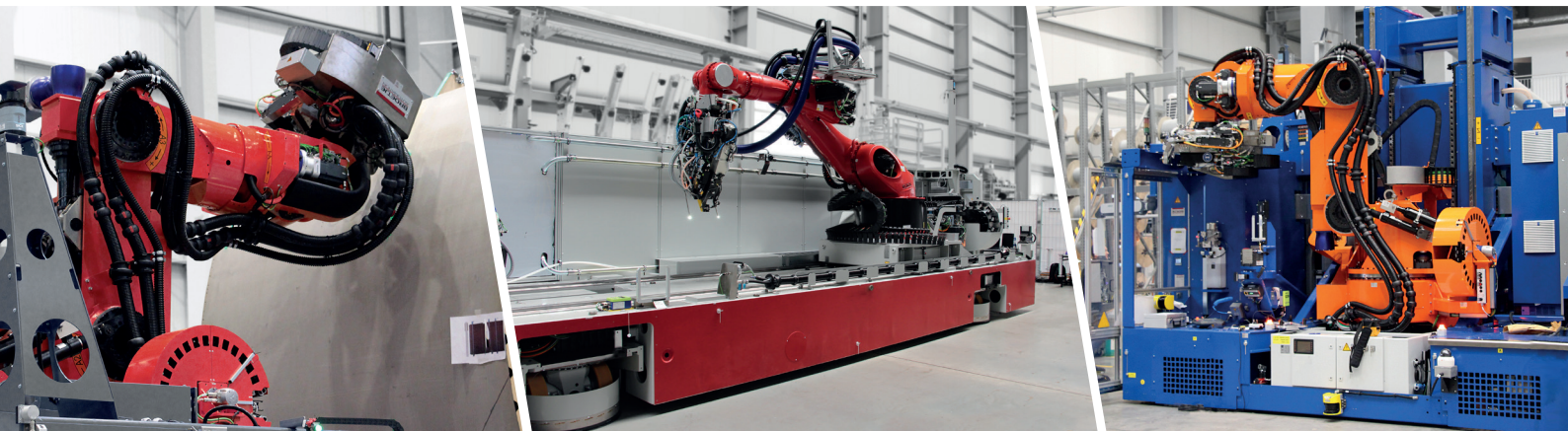
Digital Integration



EQUIPPING THE FACTORY OF THE FUTURE

Your reliable partner for robotic industrial applications

Broetje-Automation is the world's leading expert for production processes in the aerospace industry. At 23 locations and service centers worldwide, we plan and implement machines and systems for aircraft assembly. The group of companies provides solutions for the factory of the future, both with equipment as well as turnkey integration including factory planning and digital solution for the Factory of the Future.



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