



Innovative assembly technology for the
Automotive industry

Every company has its own individual strengths. Ours is customer success.

Whether you are a car manufacturer or a car supplier, the demands of the modern automotive industry on machines and plants used for automation are extremely diverse and sophisticated.

High availability, absolute adherence to delivery dates and a reliable partner are essential to prevent any risk of delays to the scheduled start of the series production of new model ranges. The assembly of safety-relevant components, such as ABS components, must be absolutely fault-free as human lives may ultimately depend on them.

At FLG we have understood these challenges and meet them head on.

As a complete system provider for handling, assembly and palletizing systems, we have been developing customized automation solutions for nationally and internationally active companies in the automotive industry since 1981. The spectrum ranges from partial automation with low investment requirements, over flexible robotic cells, through to fully automatic assembly lines for large-scale series production.

We face each new challenge confident in the knowledge that we are able to draw on a wealth of experience, expertise and innovative strength.

Our comprehensive range of services ranges from in-depth consultancy, over the development and design of high-quality assembly systems, right through to their commissioning. In addition, we also offer all further after-sales services, such as training or maintenance. In other words: we offer complete automation solutions from a single source.





Handling unit with gripper system in an assembly unit for ABS components.

We utilize our wealth of expertise and high-quality technology to create individual assembly solutions tailored exactly to your requirements.

Our machines and plants are adapted to suit the individual task. We offer bespoke solutions in series production. In doing so, we combine proven standards with specially customized solutions.

The development and design of our plants is supervised by an experienced project team. Our project managers work closely with customers for the duration and ensure coordination of all technical and scheduling aspects of the project. The selective use of high-quality technologies and suitably qualified national and international partners and suppliers ensures optimum results.

The open architecture of our turnkey systems also allows integration of additional processing steps. As the system provider, we don't just oversee the relevant part of the process, but take responsibility for the entire project.

Additional technologies and procedures

Handling

- Palletizing
- Magazining
- Feeding
- Separating
- Conveying

Testing

- Leak testing
- Torque testing
- Rotational angle testing
- Force/displacement testing
- Image processing
- Function testing

Joining

- Screwing
- Pressing
- Ultrasonic welding
- Laser welding

Identifying

- Labeling
- Stamping
- Marking
- Printing
- Laser marking





Robot-assisted assembly line
for valve gear box

Our experience in the automotive industry offers great benefits - such as greater success for you and your company.

Long-term customer satisfaction and customer loyalty are more important to us than short-term profit!

Our decades of international experience in the field of automation technology and all-round expertise in the field of assembly and handling technology help us to achieve this goal.

Our across-the-board industrial experience allows us to think outside the box and generate additional know-how; paired with an outstanding technology and supplier portfolio, this creates the ideal basis for efficient production technology for our customers.

Just some of our references

- Robert Bosch GmbH
- Continental Teves AG & Co. oHG
- Volkswagen AG
- HYDAC INTERNATIONAL GmbH

If you would like any further information on reference projects, please contact our sales team who will be happy to assist!





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