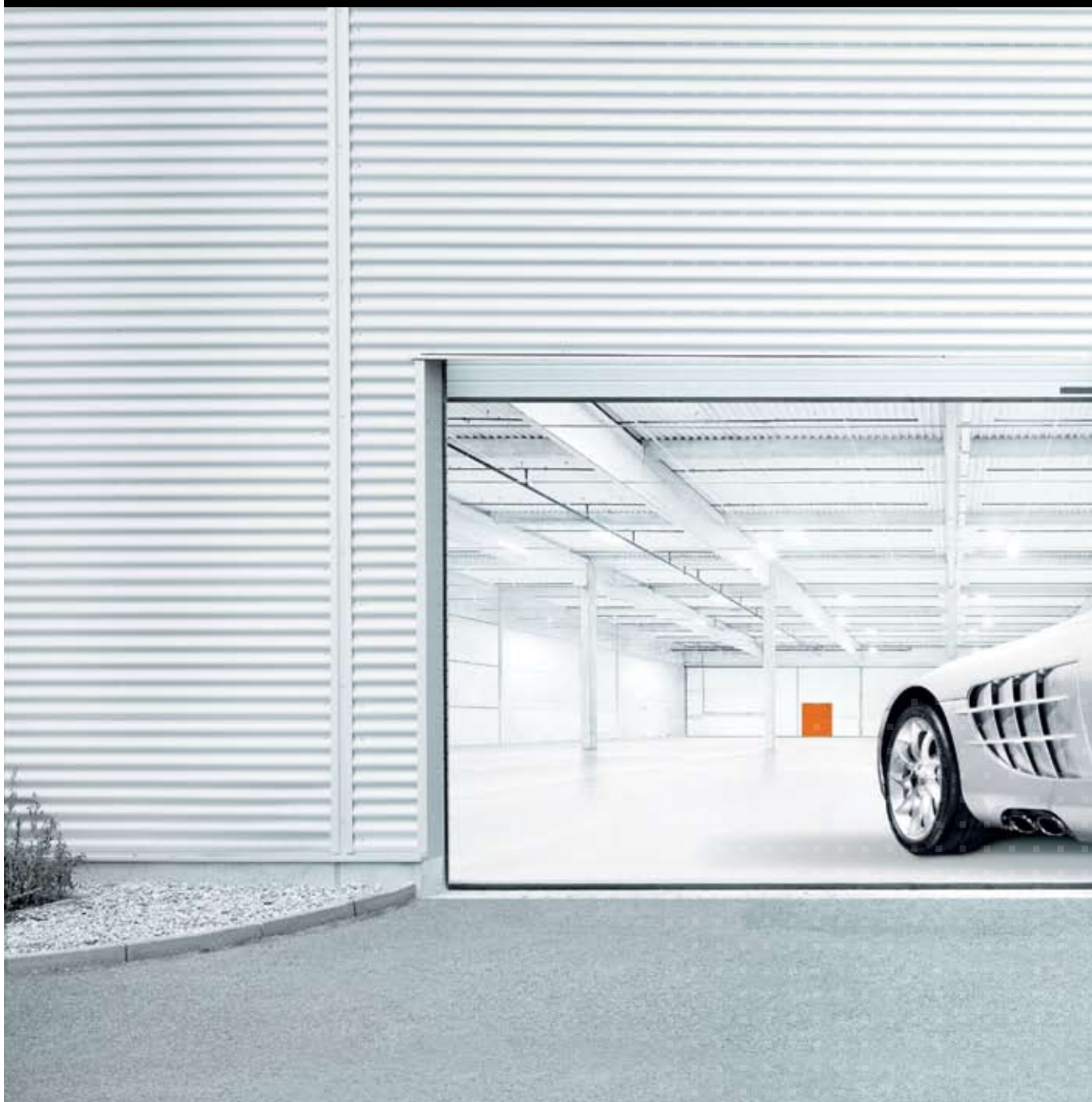


KUKA

KUKA Global Automotive Solutions – Assembly & Test

**FULL THROTTLE
FOR YOUR PRODUCTION**



■ EVERYTHING THAT MOVES UNDER THE CAR BODY

KUKA SYSTEMS | ASSEMBLY & TEST OFFERS EFFICIENT AUTOMATION SOLUTIONS FOR ALL DRIVE TRAIN MODULES FOR CARS AND TRUCKS.



ENGINE AND CYLINDER HEAD ASSEMBLY



Our speciality is the reliable assembly of the heart of every vehicle: be it special customized machines – e.g. for set valve lash – or an assembly line for the cylinder head or short block, or even an entire line for all engine components. Highly automated or with manual operations is possible.



TRANSMISSION ASSEMBLY



Automotive manufacturers and suppliers around the world are producing manual transmissions, automatic transmissions, continuously variable transmissions, dual clutch transmissions and differentials on assembly lines built by KUKA. Assembly operations, such as screw fastening and joining, are fully integrated into our systems, as are precision measurement and inspection stations.

AXLE ASSEMBLY



Significant components of the drivetrain are, of course, the axles. KUKA Systems in Bremen supplies production lines for complete front and rear axles for cars and trucks, as well as for steering systems and suspension struts, or special machines for wheel alignment and camber adjustment. Here, once again, the degree of automation varies from manual assembly to highly automated systems.

TRANSPORT SYSTEMS



A conveyor between the stations ensures smooth operation. System modules allow flexible configuration of the conveyor layout. Conveyor segments, curves and corner stations are available. The flat design also allows for low conveyor heights. The friction of the roller drive can be adjusted for quiet operation. A wide range of conveyor speeds can be selected.



■ KUKA TEST SYSTEMS

HIGHLY COMPLEX TESTING OF ENGINES AND TRANSMISSIONS



To ensure that the assembled unit functions as specified, KUKA Systems designs and builds the necessary test and inspection equipment. With highly precise measurements and analyses, transmissions and engines are given a thorough performance test. Cold tests, leak tests and function tests, such as noise, torque and oil system tests, to name but a few, reveal possible defects and enable their systematic detection. A MUST for every production line. Quality Assurance for Quality Assembly.



OUR CUSTOMER SERVICE

COMPREHENSIVE SUPPORT

From training courses for our customers' maintenance technicians, operators and programmers, to production start-up support and process optimization, not forgetting a comprehensive spare parts service: on request, KUKA Systems provides life-long support for the supplied assembly system. We place particular emphasis on our customer service. Specially tailored inspection and maintenance agreements ensure that our customers enjoy high availability of their systems resulting from preventive maintenance. Our hotline is on hand to provide immediate help if required. The use of remote support systems allows rapid analysis and identification of the problem.



TRAINING

- Maintenance
- Operator control
- Programming

SPARE PARTS

- Supply of spare parts
- Consignment stock
- Manufacture of spare parts

PRODUCTION

- Production start-up support
- Process optimization, conversion, type set-up and relocation
- FMEA analysis

CUSTOMER SERVICE

- Warranty support
- Maintenance and servicing
- Hotline with remote support
- On-site troubleshooting





**ASSEMBLY AND TESTING
FOR EVERY ASPECT OF THE DRIVE TRAIN**



Founded in 1982, the Assembly & Test Group in Bremen supplies assembly systems and test equipment for the automotive industry worldwide. With a workforce of 280 employees; a production area of over 9000 m²; we develop, plan, design and manufacture computer-controlled automation systems for efficient assembly of driveline products such as: engines, cylinder heads, transmissions, axles, brakes and steering systems. Testing and inspection of the assembled modules is also a KUKA core competence. Our production facilities offer outstanding flexibility, precision and reliability, Our service supports a major part of our product spectrum, with activities such as process planning, simultaneous engineering, customer training and after-sales service.



FROM SIMPLE TO COMPLEX - HUMAN OR MACHINE



From special machines to complete assembly systems, from semi-manual to highly-automated production lines – everything is possible. Assembly operations such as fastening and joining are fully integrated into our systems, as are complex measurement and inspection stations. Benefit from our assembly expertise – we look forward to hearing from you.



KUKA

KUKA Systems – International

BELGIUM
BRAZIL
CHINA
CZECH REPUBLIC
FRANCE
GERMANY
INDIA
MEXICO
RUSSIA
SLOVAKIA
UK
USA



WANT TO FIND OUT MORE ABOUT HOW TO ACCELERATE YOUR PRODUCTION PROCESSES?

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