

AUTOMATION

ROBOTIC SYSTEMS

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KTW offers suitably adapted automation systems for robotic systems, gripping technology and rotary indexing assembly systems. Supplied from one single source, our all-round solutions can considerably boost your competitiveness – with a high level of expertise in both semi-automatic and fully automatic systems.

Your partner for customised automation solutions

In the automation sector, we have gained a reputation as a system supplier of integrated smart solutions optimally designed to suit the needs of our customers. Our aim is to achieve the best possible solution in close collaboration with you. We can provide you with a complete package of reliable, economical automation solutions, including project planning, implementation, commissioning and servicing.

Our highly experienced team of specialists can implement practical solutions that enable you to meet the ever-increasing demands of the industry in terms of efficiency, process reliability and product quality.

With our assembly systems we offer complex, product-specific, specially designed machines with interlinked stations that include features such as component feeding, joining, testing, calibration, marking and packing stations. Depending on the design and the implementation, we provide fully customised responses in terms of cycle times, quantities, varieties and components.

Taking these requirements into account, the KTW team can implement optimal system and software solutions for its customers.

Our expertise – your benefit

- highly qualified staff
- a wealth of experience
- high quality standards
- Systems provider



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FLEXIBLE DEPLOYMENT TAILORED CUSTOMER SOLUTIONS

Ever-smaller lot sizes and the broader variety of components and products mean that manufacturing facilities need to become increasingly flexible and set-up times shorter. In their efforts to meet these requirements, the experts at KTW have developed smart system concepts with articulated arms and SCARA robots for assembly, interlinking and testing equipment. You can choose from a range of manufacturers, including Yaskawa, Epson, Kuka, Stäubli, Fanuc and ABB. Another application is the loading and unloading of machine tools and injection moulding machines, integrating the following assembly processes.

The advantages of using KTW robotic systems:

- broad variety
- consistent quality
- short cycle times
- low risk



We offer you:

- ✓ *Product-specific system solutions*
- ✓ *Integration of articulated arm and SCARA robots in manufacturing facilities*
- ✓ *Planning, design, manufacturing, assembly and commissioning*
- ✓ *Control technology – hardware and software*
- ✓ *Risk assessment in accordance with current standards and guidelines*
- ✓ *CE documentation*
- ✓ *Employee training and service*



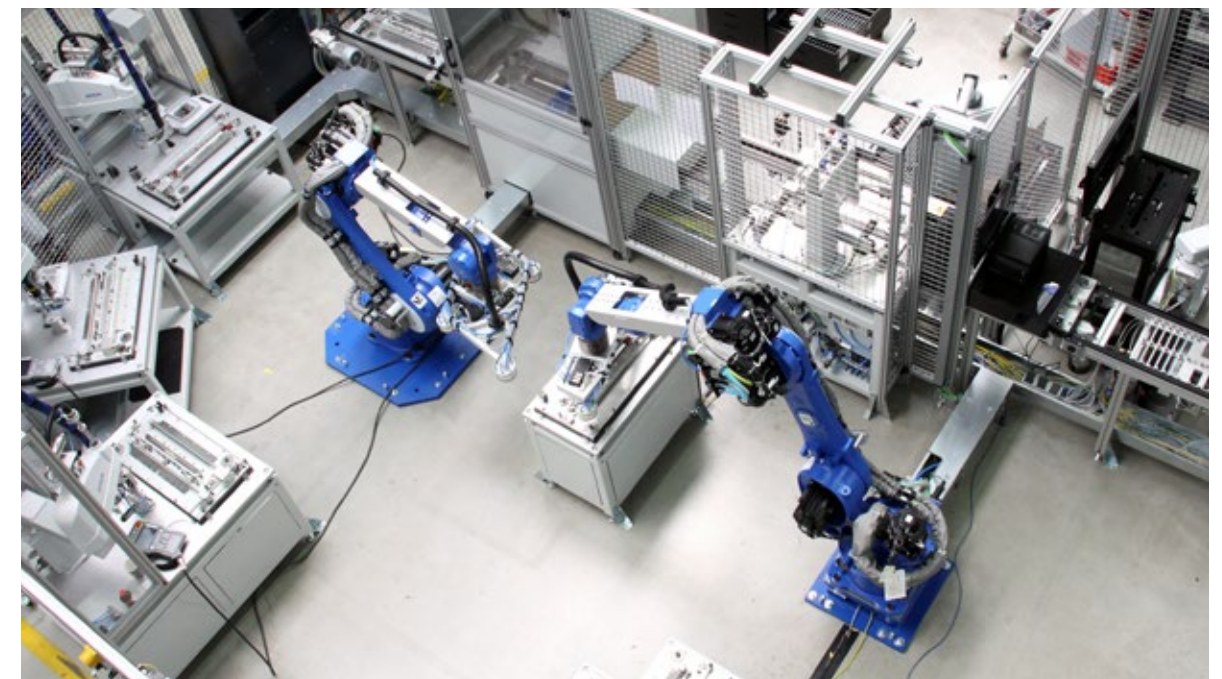
For further information please go to:
ktw-friedrichshafen.de/en/robotic-systems.html



Robotic assembly system for roller drives Process steps efficiently divided up

- Fixed-cycle linear transfer system
- 3 robots for assembly tasks
- 10 assembly and test stations
- Cycle time: 15 sec.

Watch video at:
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Adhesive bonding system for entry sills 7 at one stroke

- System with 7 robots
- manual workstation: insertion, alignment, clamping
- Plasma cell: cleaning, preparation for adhesive application
- Bonding: 3 adhesive cells to reduce cycle times
- Workpiece carrier transfer: overlapping of work areas
- Hardening: adhesive setting
- optical check: component testing
- Labelling: data handling and affixing
- Cycle time: 20 sec.