

AUTOMATION

# GRIPPING TECHNOLOGY

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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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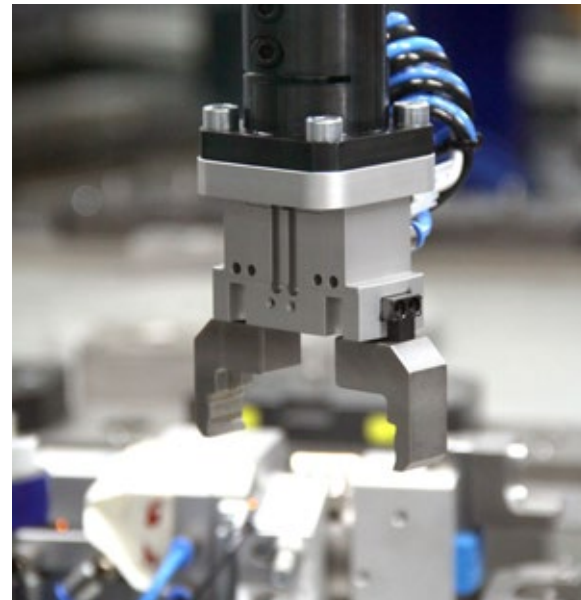
[www.ktw-friedrichshafen.de](http://www.ktw-friedrichshafen.de)

## GRIPPING AND RELEASING WITH GREAT RELIABILITY

In the world of automation, whether joining, assembling or equipping, the design of the gripper technology, particularly in robotics applications, is critical for process reliability and the cycle times of assembly and production equipment. In order to meet these requirements, the task at hand is precisely evaluated and a corresponding gripper concept is developed to match the specification profile.

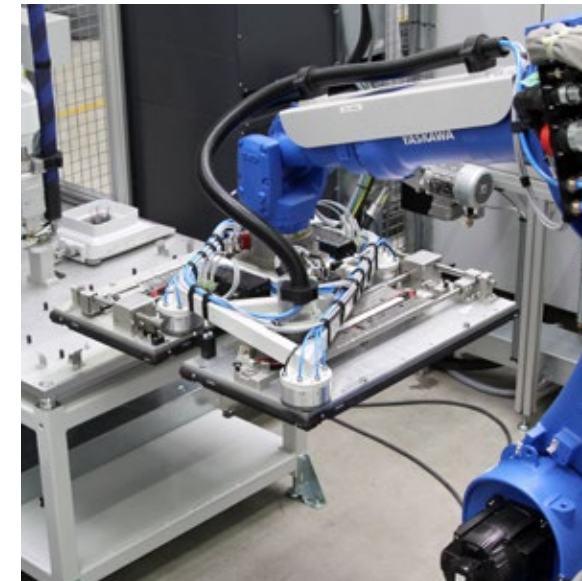
### The advantages of KTW gripping technology:

- multiple gripping systems reduce cycle times
- integrated sensors for secure gripping
- Expertise in injection moulding applications
- outstanding quality



## We offer you:

- ✓ *Product-specific gripper solutions*
- ✓ *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*



### 2x workpiece carrier gripper on 6-axis robot Can handle two complete workpiece carriers

This gripper is used to handle workpiece carriers in a robotic system.

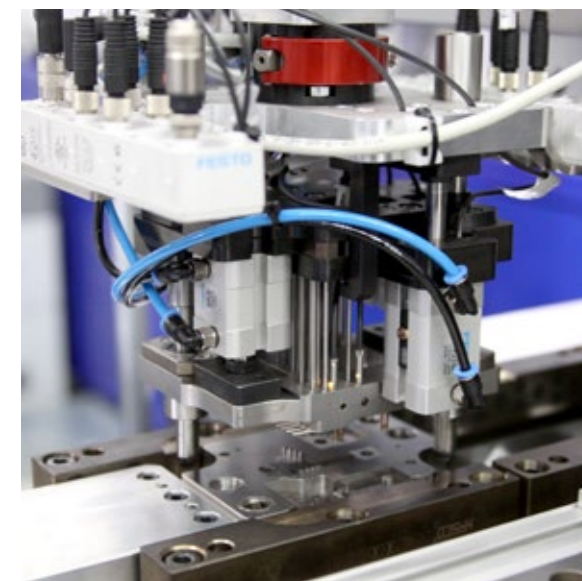
- Zero-point clamping system
- exact positioning
- high load-handling capacity
- reduced cycle times



### 4x injection moulding gripper on 6-axis robot 2 functional sides

Injection moulding gripper for loading and unloading injection moulding machines. Inserts 5 tracks into each of the 4 cavities.

- Functional side 1 – removing overmoulded components
- Functional side 2 – inserting tracks into the tool



### Gripper for punched parts Removal from punching press – forming 4x format for loading injection moulding machine

The gripper removes the tracks from the punching and bending tool. Forms shelf and 4x format on swivel table.

- Gripper for 5 delicate tracks
- secures component position
- Monitors components in gripper



For further information please go to:  
[ktw-friedrichshafen.de/en/gripping-technology.html](http://ktw-friedrichshafen.de/en/gripping-technology.html)