



MANUFACTURING TECHNOLOGY

# LOAD-BEARING EQUIPMENT

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Our manufacturing technology range consists of our load-bearing equipment, hydraulic clamping devices, assembly devices and assembly systems. However, not only do we develop them, we also offer you an entire range of products and services including development and design, manufacturing, CE-compliant documentation and all the support you need throughout the entire product life cycle.

## Your partner for manufacturing technology

Our highly experienced staff can implement your requirements in specific concepts. Our first priority is to combine our ideas, developments and products to create reliable processes that are ergonomic to operate and economical to use. We work with two principles that determine our approach:

- ✓ *As simple as possible*
- ✓ *As safe as necessary*

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# WE BEAR THE RESPONSIBILITY FOR YOU

The design and manufacture of customer-specific load-bearing equipment is governed by the Machinery Directive. When it comes to calculating and, for example, designing the welding of this type of load-bearing equipment, it is essential to comply with and implement additionally strict specifications. Our load-bearing equipment is capable of lifting and moving components that weigh up to 100 tonnes. KTW not only bears the weight of your component, but also the responsibility for you in an end-to-end process that includes design, risk assessment, structural calculation, manufacture in accordance with standards, assembly and CE documentation.



## The advantages of KTW load-bearing equipment:

- greater safety for you and your employees
- improved ergonomics
- all products from one single source
- outstanding quality

## We offer you:

- ✓ *Customer-specific system solutions*
- ✓ *Design based on the current Machinery Directive*
- ✓ *Safety-relevant calculation in accordance with latest standards and regulations*
- ✓ *Risk assessment in accordance with current standards and regulations*
- ✓ *Manufacturing in accordance with current welding standards*
- ✓ *Implementation of load tests*
- ✓ *Preparation of test certificates*
- ✓ *CE documentation*



### 2-arm gripper (gripping inside and outside)

- with reversible function
- secure locking
- adapted to suit your component
- optional: Quick-change system for jaws



### 3-arm gripper (gripping inside and outside)

- secure locking
- adapted to suit your component
- optional: Quick-change system for jaws



### Scissor pliers (gripping inside and outside)

- with reversible function
- secure locking
- adapted to suit your component
- optional: Quick-change system for jaws



### Spindle nose pliers with change system

- with reversible function
- secure locking
- adapted to suit your component
- Selectable gripping range



### Crossbars

- up to 100,000 kg
- manual or electric centre of gravity setting
- optional: Weight recording and weight display



### Hoists with orbital rotation

- manual or pneumatic orbital rotation
- manual or pneumatic gripping



### Pneumatic hoists

- with reversible function
- secure locking
- adapted to suit your component



### Special-purpose applications

- optimally designed to suit your requirements



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