

MANUFACTURING TECHNOLOGY

ASSEMBLY DEVICES

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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 MOVE LARGE OBJECTS

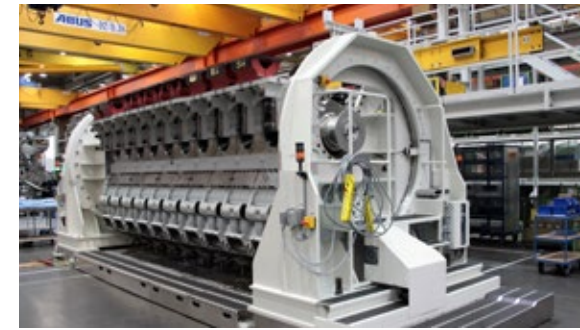
Moving heavy components requires a great deal of skill, particularly during the construction phase. We offer you everything you need from one single source, from the entire engineering to the turnkey handover including CE documentation. We specialise in assembly devices in which the employee operates the system with the help of control technology. Working together with the experts from our "Load-bearing equipment", "Clamping devices" and "Automation" departments, we are sure to find the best solution for you and your machine operators.

Your advantages with KTW assembly devices:

- greater safety for you and your employees
- improved ergonomics
- everything from one source
- outstanding quality

We offer you:

- ✓ *Assembly devices and systems specifically designed for your components and processes*
- ✓ *From concept development to manufacturing, including CE documentation*
- ✓ *Process-controlled and monitored assembly sequences*
- ✓ *Manual or automatic operating sequences*
- ✓ *Ergonomics taken into account for recurring activities*
- ✓ *Integration of AGV systems*

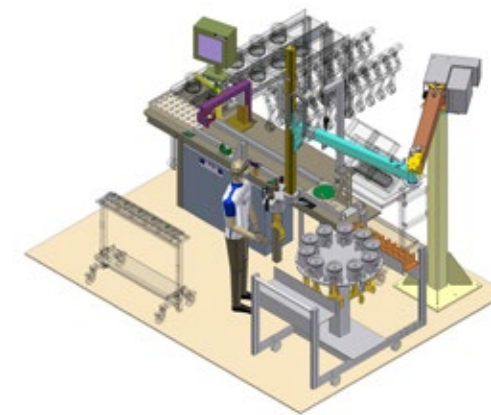


Motor pivoting headstock – Flexible and ergonomic

- pivoting equipment for assembling large engines
- weighs 18 tonnes
- electrically adjustable for various types of cylinders
- implemented KW slippage device
- 360° rotation axis with various locks

Assembly system for pistons – Monitored assembly sequences

- guided assembly processes
- control-related monitoring
- integrated lowering unit
- workpiece holder positioning
- screwdriving station
- control device
- includes load-bearing equipment



Engine test bench – Safety first

- Load capacity 5 tonnes
- Remote control
- central cable winch
- hydraulic height adjustment with safety retaining clamp
- single cable weight indicator
- Display
- various safety functions



Mounting rack – For all-round use

- Load capacity 5 tonnes
- 2-hand operation
- Height-adjustable
- 360° rotation with holding position



For further information please go to:
ktw-friedrichshafen.de/en/assembly-devices.html