

# Processing Robot KUKA KR 500

## Technical Data

- Heavy-load industry robot with enlarged working area
- Programmable axes: 6
- Max. reach: 3326/3076/2826 mm
- Max. working load: 340/420/500 kg
- Repeatability:  $\pm 0.15$  mm
- Milling cutter: Max. power 11.0 kW  
Max. revolutions 20,000 UpM

## Area of Use/ Application

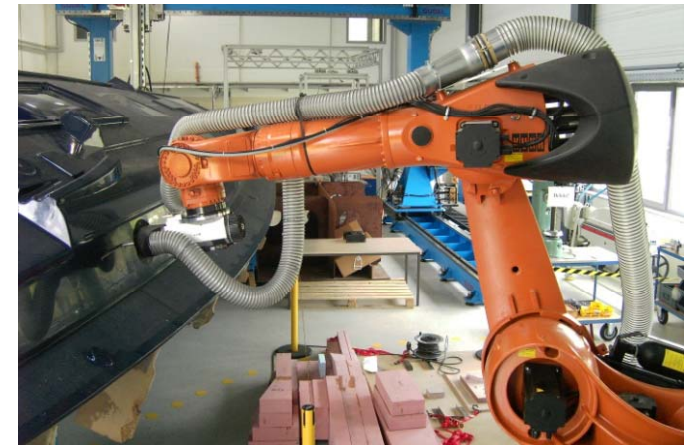
- Shape milling
- Polishing, grinding, deburring
- Coating and adhering
- Measuring and testing
- Assembling
- Palletizing and commissioning
- Cutting, welding



Robot milling of large components in connection with flexible component holder



Milling Tool



Working on fibre compound components



Universität Rostock  
Fakultät für Maschinenbau und Schiffstechnik  
Lehrstuhl Fertigungstechnik



Fraunhofer  
Anwendungszentrum  
Großstrukturen in der  
Produktionstechnik

# Component Carrier for Working on Large Structures

## Technical Data

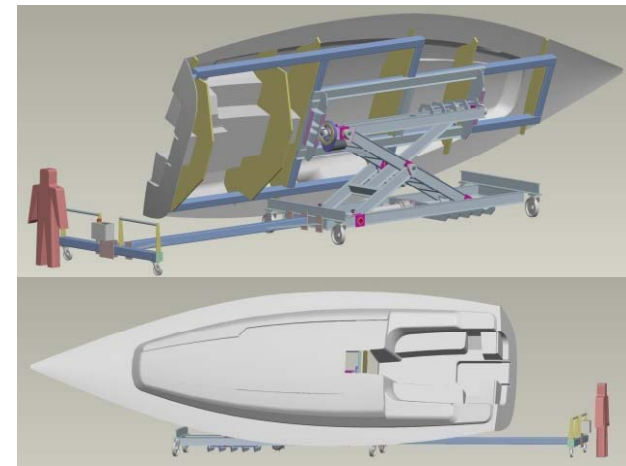
- Device for the manual positioning and orientation of large maritime components
- Max. load carrying capacity: 1,500 kg
- Max. size of component: 17 m (length), 4.5 m (width), 1.3 m (height)
- Simple adaptability to various components

## Area of Use/ Application

- Supplement for the industrial robot for working on components which extend beyond the working area of the robot and require a simple new positioning and orientation of the component
- Application in connection with a photogrammetric measuring system to link the coordinate system of robot and component



Component carrier with deck panel



Use for positioning and orientating a large component



**Universität Rostock**  
Fakultät für Maschinenbau und Schiffstechnik  
Lehrstuhl Fertigungstechnik



**Fraunhofer**  
Anwendungszentrum  
Großstrukturen in der  
Produktionstechnik