



# 7-AXIS COLLABORATIVE INDUSTRIAL COBOT

ENGINEERING & AUTOMATION





# UNIQUE EFFICIENCY FOR INDUSTRIAL PRODUCTION

R&D Engineering & Automation and Kassow Robots present the **7-Axis Cobots**, a lightweight robot for industrial applications

Developed by Kassow Robots, the Cobot has seven articulation points which provide more flexibility and set a new standard for robot technology. **R&D is Kassow's business partner**, responsible for applying the technology in the best possible way for each customer.

Designed to work **quickly**, **precisely** and with **high payloads**

## Strong, fast, simple

Thanks to its seven axes, the Cobot arm can replicate the movements of a human arm. It can not only move an object in a straight line from A to B but is also able to follow a curved path at a specific speed. The 7-Axis Cobot is a uniquely powerful, efficient and reliable assistant, designed to work quickly, precisely and with high payloads.

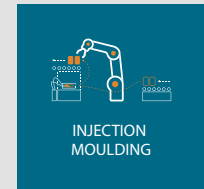
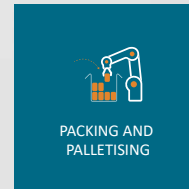
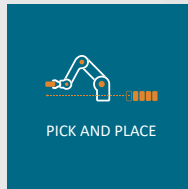
The Cobot is simple to use due to the intuitive and user-friendly tablet technology that works on the drag-and-drop principle, which everyone is familiar with from their everyday devices.

Depending on risk analysis, it can be used directly in industrial production with minimal or even no additional safety measures.

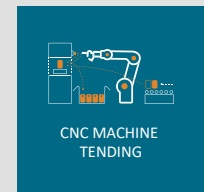
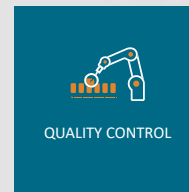


## Applications

Almost nothing is impossible when it comes to the applications of the 7-Axis Cobots. Just six examples of applications are shown in the pictograms below since there are barely any limits, even regarding complex tasks. In adhesive applications, for example, the Cobot follows an exact path, maintaining the specified speed whatever the type of movement involved.



Cobots for human-robot collaboration



### THE ROBOT COMES IN FOUR SIZES

<b>KR 810</b>	<b>Reach:</b> 850 mm	<b>Payload:</b> 10 kg
<b>KR 1205</b>	<b>Reach:</b> 1200 mm	<b>Payload:</b> 5 kg
<b>KR 1410</b>	<b>Reach:</b> 1400 mm	<b>Payload:</b> 10 kg
<b>KR 1805</b>	<b>Reach:</b> 1800 mm	<b>Payload:</b> 5 kg

### PRODUCT SPECIFICATION

**Payload:** 5 - 10 kg  
**Reach:** 850 - 1800 mm  
**Weight:** 23.5 - 45 kg  
**Degrees of freedom:** 7 rotating joints

**Repeatability:** +/- 0.1 mm  
**Joint speed (deg/sec):** up to 225  
**IP specification:** IP54



Thanks to a **tablet-like interface**, the Cobots are easy to program and operate



# 7-AXIS COLLABORATIVE INDUSTRIAL COBOT



All 7 axes can move with a speed up to 225 degrees per second

The robot have a payload up to 10 kg without compromising on speed

A tablet-like graphical user inter-face makes it easy to use from day one

The robot can easily be relocated and redeployed

Built-in force torque sensors that detect impact and abnormal forces which makes it able to operate with or close to staff without special safety measurement

## Further information

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