

KR Series

Strong, fast, simple. Meet the 7-axes industrial cobot.



Payload
up to **18 kg**



Reach
up to **1800 mm**



Speed
up to **225°/s**

Unlock your potential

Automate your operations with Kassow Robots.

Revolutionize your manufacturing process by integrating robotics into your production line. Boost productivity with tireless automation, ensuring precision, consistency, and accelerated workflows.

A unique combination of the 7th axis, payload & reach. From 5 to 18 kg and a reach of 850 to 1800 mm – all delivered at joint speeds of up to 225 degrees per second: Our range of 5 models allows to reach around the corners, and undertake the most demanding manufacturing tasks.



Plug-in configuration



Intuitive user interface, powerful Android System



Easy relocation, lightweight design



Higher production

Our cobot will take over the repetitive and physically demanding tasks in your factory so workers can then perform jobs that generate more value.

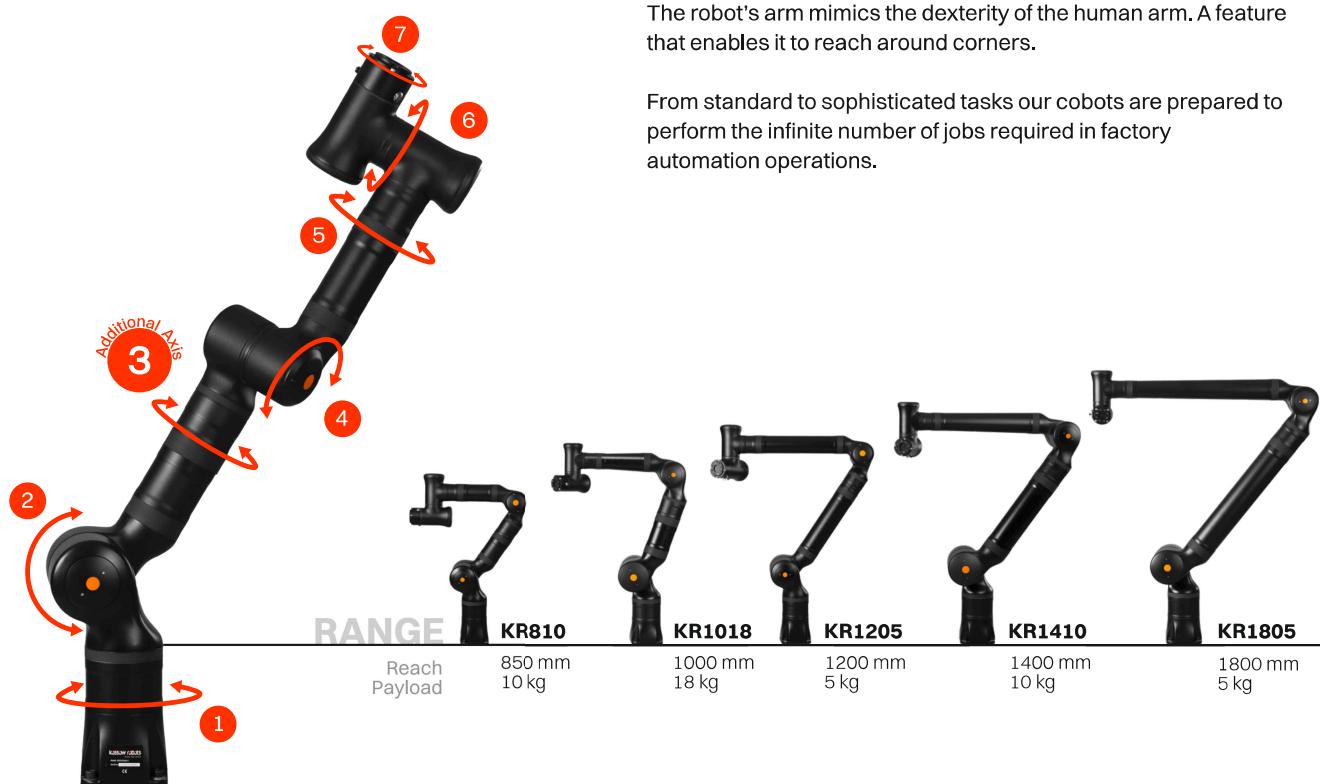
Easy-to-integrate solutions for a wide range of applications.

Welding, packaging, palletizing, CNC & machine tending, pick&place, quality inspection, screwing, labelling, dispensing...

Check out our [Use Cases](#)



Reach every corner with 7 axes.



KR Series Technical specifications

| General specifications | KR810 | KR1018 | KR1205 | KR1410 | KR1805 |
|---------------------------------------|-----------|---|-----------|-----------|-----------|
| Reach (mm) | 850 | 1000 | 1200 | 1400 | 1800 |
| Payload (kg) | 10 | 18 | 5 | 10 | 5 |
| Weight (kg) | 26 | 36 | 27 | 37 | 40 |
| Joint speed (deg/s) | 225 | 163/225 | 225 | 163/225 | 163/225 |
| Joint ranges (deg) | | J2 and J4: -70°/+180°; J1, J3, J5, J6 and J7: ±360° | | | |
| Redundant absolute encoders on joints | Yes | Yes | Yes | Yes | Yes |
| Repeatability (mm) | +/- 0.03 | +/- 0.03 | +/- 0.03 | +/- 0.03 | +/- 0.04 |
| Degrees of freedom | 7 | 7 | 7 | 7 | 7 |
| Footprint (mm) | 130 x 130 | 160 x 160 | 130 x 130 | 160 x 160 | 160 x 160 |
| Operating temperature (°C) | 0-45 | 0-45 | 0-45 | 0-45 | 0-45 |
| Body material | | Aluminium | | | |
| Protection rating | IP54 | IP54 | IP54 | IP54 | IP54 |
| Sound level (dB) | <65 | <65 | <65 | <65 | <65 |
| Communication | | Modbus (Master), Profinet (IO Device), ROS1/ROS2, KORD, TCP/IP, UDP | | | |

| Controller | KR810 | KR1018 | KR1205 | KR1410 | KR1805 |
|---|-------|--------|--------|--------|--------|
| Digital inputs dedicated E-stop & P-stop (Safety uses 2x I/Os for redundancy) | 4 | 4 | 4 | 4 | 4 |
| External 24V supply (A) | 6 | 6 | 6 | 6 | 6 |
| Relay outputs | 4 | 4 | 4 | 4 | 4 |
| Digital outputs (Safety supported in pairs) | 8 | 8 | 8 | 8 | 8 |
| Digital inputs (Safety supported in pairs) | 16 | 16 | 16 | 16 | 16 |
| Analogue I/O 0-10V | 2/2 | 2/2 | 2/2 | 2/2 | 2/2 |
| Analogue I/O 4-20mA | 6/6 | 6/6 | 6/6 | 6/6 | 6/6 |

| Power | KR810 | KR1018 | KR1205 | KR1410 | KR1805 |
|---------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Power consumption (with max. load; W) | 400-600 | 400-1200 | 400-600 | 400-1200 | 400-1200 |
| Supply voltage (VAC) | 100-120 or 200-240 |
| Supply current (A) | 16 | 16 | 16 | 16 | 16 |
| Supply frequency (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |



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kassow robots
 strong · fast · simple

Joining forces with
rexroth
 A Bosch Company