

**Factory of
the Future**
Now. Next. Beyond.

rexroth
A Bosch Company



Kassow Robots

Cobots with 7 axes

Bosch Rexroth strengthens Factory Automation through majority stake in Kassow Robots



In spring 2022, Bosch Rexroth invested in Factory Automation by acquiring the majority stake in Kassow Robots - together we, will be shaping the future of flexible automation.

How can you outsmart the competition? Simply automate!

Your robot colleague will take over the repetitive and physically demanding jobs in your factory, so workers can then perform jobs that generate more value.

Your major benefit: Every cobot made by Kassow Robots has a 7th axis. This axis gives our cobots the highest possible degree of freedom. The robot's arm mimics the dexterity of the human arm. A feature that enables it to reach around corners.

From standard to sophisticated tasks, our cobots are prepared to perform the infinite number of jobs required in factory automation operations.

Our concept of simply automate comes from our unique benefits:

- Plug-in configuration
- Intuitive programming with a phone-like user interface
- Easy relocation within a factory thanks to the lightweight design
- Above all, higher production

A payload of 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 five lightweight 7-axis robots are ready to go to work in virtually no time – at companies of all sizes.



Product Family



	Reach	Payload
► KR810	850 mm	10 kg
► KR1018	1000 mm	18 kg
► KR1205	1200 mm	5 kg
► KR1410	1400 mm	10 kg
► KR1805	1800 mm	5 kg



WELDING



PACKAGING &
PALLETIZING



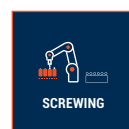
CNC &
MACHINE TENDING



PICK & PLACE



QUALITY
INSPECTION



SCREWING



LABELLING



DISPENSING

Gaining far more production with 7 axes

Your added value created by our lightweight robots

- **Great maneuverability & around-the-corner reach**

You can use the robot's arm in extremely confined spaces – and profit from the tremendous flexibility created by the 7th axis!

- **Easy programming & operations**

Free yourself from robot experts – program and operate the cobots yourself!

- **High flexibility & fast relocation**

Use the cobots in different places within your production facilities – the cobots' light weight and the plug and play approach makes it possible!

- **Employees & cobots team up**

Delegate the repetitive and unsafe jobs to your robot colleagues – and allow your employees to generate more added value elsewhere!

- **Fast ROI & more satisfied employees**

Our cobots pay for themselves quickly – boost your competitiveness with their high productivity!



- **7 axes**

- **Lightweight robots**

- **Payloads of up to 18 kg**

- **Reaches of up to 1800 mm**

- **Speeds of up to 225 degrees per second**

- **Perfect for human-robot collaboration (HRC)**

**Read more about
Kassow Robots**



At a glance: 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)	24	34	25	35	38
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°				
Brakes on joints	Yes	Yes	Yes	Yes	Yes
Absolute encoders on joints	Yes	Yes	Yes	Yes	Yes
Repeatability (mm)	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Degrees of freedom	7	7	7	7	7
Footprint (mm)	130 × 130	160 × 160	130 × 130	160 × 160	160 × 160
Operating temperature (C°)	0–45	0–45	0–45	0–45	0–45
Body material	Anodized aluminum				
Protection rating	IP54	IP54	IP54	IP54	IP54

Controller	KR810	KR1018	KR1205	KR1410	KR1805
Digital outputs 24V (pcs)	8	8	8	8	8
Relay outputs (pcs)	4	4	4	4	4
Digital inputs 3–30V (pcs)	16	16	16	16	16
Analogue I/O 0–10V (pcs)	2/2	2/2	2/2	2/2	2/2
Analogue I/O 4–20mA (pcs)	2/2	2/2	2/2	2/2	2/2

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	100–120 or 200–240	100–120 or 200–240	100–120 or 200–240	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
Max speed (mm/s)	1200/1800	2000/2400	1200/1800	2000/2400	2000/2400