



Robotics\_Range



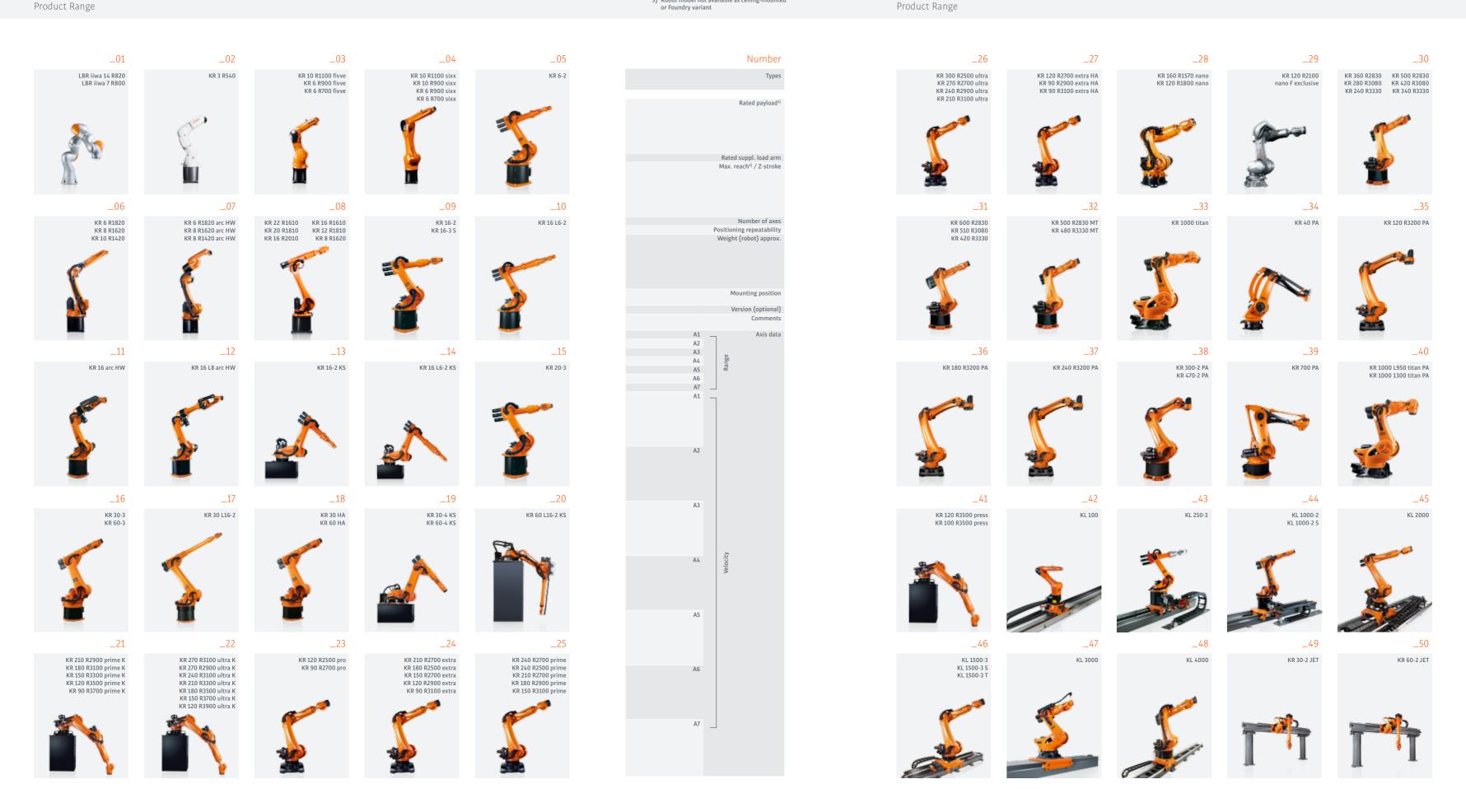
CR Suitable for cleanrooms
F Foundry version
WP Splash-proof
CV Covered
S Speed
T Torque
HO Food-compatible lubricant
HM Hygienic machine
HP High protection
EX Suitable for use in potential
explosive environments



explosive environments								*
	Small Robots	Low Payloads		Medium Payloads	High Payloads	Heavy Payloads Palletizing Robots	Press Linear Units	Jet
Number	_01 _02 _03 _04	_05	_10 _11 _12 _13 _14 _15	_16	21	_30	_38 _39 _40 _41 _42 _43 _44	_45 _46 _47 _48 _49 _50
Types	LBR iiwa KR 3 AGILUS KR AGILUS KR AGILUS fivve sixx	KR 6-2 KR CYBERTECH KR CYBERTECH KR CYBERTECH KR 16-2 KR 16-3 S KR 1	L6-2 KR 16 arc KR 16 L8 arc KR 16-2 KS KR 16 L6-2 KS KR 20-3	KR 30-3 KR 60-3 KR 30 L16-2 KR 30 HA KR 60 HA KR 30-4 KS KR 60-4 KS L16-2 KS	KR QUANTEC Frime ultra KR QUANTEC extra HA nano nano F exclusive		KR 300-2 KR 470-2 KR 700 PA KR 1000 L950 KR 1000 1300 KR QUANTEC KL 100 KL 250-3 KL 1000-2 PA PA titan PA press	KL 2000 KL 1500-3 KL 3000 KL 4000 KR 30-2 JET KR 60-2 JET
Rated payload <sup>1)</sup>	7 kg 3 kg 10 kg 10 kg 14 kg - 6 kg 10 kg 6 kg 6 kg 6 kg	6 kg 6 kg 6 kg 8 kg 16 kg 16 kg  - 8 kg 8 kg 12 kg  - 10 kg 8 kg 16 kg  16 kg  20 kg  22 kg		30 kg 60 kg 16 kg 30 kg 60 kg 30 kg 60 kg 16 kg - 45 kg 45 kg - 45 kg - 30 kg 30 kg - 30 kg	210 kg 270 kg 120 kg 210 kg 240 kg 300 kg 120 kg 160 kg 120 kg 180 kg 270 kg 90 kg 180 kg 270 kg 90 kg 120 kg 210 kg 270 kg 90 kg 120 kg 210 kg 240 kg 270 kg 90 kg 210 kg 240 kg 90 kg 270 kg 90 kg 210 kg 2	240 kg 340 kg 420 kg		2000 kg 3800 kg 6500 kg 4000 kg 30 kg 60 kg 45 kg 30 kg 
Rated suppi. load arm Max. reach <sup>2)</sup> / Z-stroke	800 mm 541mm 1101 mm 1101 mm 820 mm - 901 mm 901 mm 706 mm 901 mm 706 mm 	- 1620 mm 1620 mm 1810 mm 1420 mm 1420 mm 1610 mm	10 kg         12 kg         12 kg         10 kg         10 kg         10 kg         10 kg           mm         1636 mm         2016 mm         1801 mm         2101 mm         1611 mm           -         -         -         -         -         -           -         -         -         -         -         -         -           -	35 kg 2033 mm 2033 mm 2033 mm 2033 mm 2233 mm 2952 mm	Solid   Soli	3076 mm 3076 mm 3076 mm 3326 mm 3601 mm	3150 mm 3150 mm 3320 mm 3601 mm 3202 mm 3501 mm 3501 mm	35 kg 35 kg 2002 mm 2002 mm 2202 mm 2402 mm
Number of axes Positioning repeatability Weight (robot) approx.	7 6 5 6  <±0.1/<±0.15 mm  <±0.02 mm  <±0.03 mm  <±0.03 mm  23.9 kg	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	±0.08 mm         ±0.08 mm         ±0.08 mm         ±0.08 mm         ±0.10 mm         <±0.05 mm         <±0.06 mm         <±0.05 mm         <±0.06 mm         <±0		1 1 1 1 1 6 6 6  <±0.02 mm  <±0.02 mm  ±0.02 mm  ≤±0.15 mm  Travel
Mounting position	any Wall, Floor, Floor, Ceiling <sup>3)</sup> Wall, Floor, Ceiling, Angle Ceiling <sup>3)</sup>	Wall, Floor, Wall, Floor, Wall, Floor, Wall, Floor, Wall, Floor, Floor, Ceiling Wall, Ceiling Ceiling, Angle Ceiling, Angle Ceiling (	Floor, Floor, Ceiling Floor, Ceiling Floor Floor, Ceiling	Floor, Ceiling Floor, Ceiling Floor, Ceiling Floor, Ceiling Floor, Ceiling Floor	Floor Floor Floor, Ceiling Floor Floor, Ceiling Floor Floor, Ceiling Floor	Floor, Ceiling Floor, Ceiling Floor Floor Floor Floor Floor Floor	Floor Floor Floor Floor Floor, Ceiling Wall, Floor, Ceiling Floor, Ceiling Ceiling	
Version (optional) Comments	EX HM CR WP		F	CR F CR F F F F	F F GR F F F	F F F F HO Arctic, HO Arctic, HO Arctic, HO	Arctic F F CV S CV	_
Axis data  A1  A2  A3  A4  A5  A6	±170° ±170° ±170° ±170° +120° +50°/-170° +45°/-186° +45/-190° ±170° +155°/-110° +156°/+5° +156°/-120° +120° ±175° - ±185° ±170° ±120° +120°/-111° ±120° ±120° ±350° ±350° ±350°	**185° **170° **185° **180° **130° **		accurate accurate		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	±185°         ±185°         ±185°         ±150°         ±150°         ±185°         - <td>0.4 - 29.9 m         1 - 30 m         0.8 - 29.8 m         0.4 - 30.4 m         -         -         -           -         -         -         -         1.5 - 30 m         1.5 - 30 m         0°/-180°           -         -         -         -         0°/-180°         0°/-180°         0°/-180°           -         -         -         -         +158°/-120°         +158°/-120°           -         -         -         -         2350°         ±350°           -         -         -         ±119°         ±119°           -         -         -         ±350°         ±350°</td>	0.4 - 29.9 m         1 - 30 m         0.8 - 29.8 m         0.4 - 30.4 m         -         -         -           -         -         -         -         1.5 - 30 m         1.5 - 30 m         0°/-180°           -         -         -         -         0°/-180°         0°/-180°         0°/-180°           -         -         -         -         +158°/-120°         +158°/-120°           -         -         -         -         2350°         ±350°           -         -         -         ±119°         ±119°           -         -         -         ±350°         ±350°
A7 A1	11/5°			140°/s 128°/s 100°/s 140°/s 128°/s 140°/s 138°/s 103°/s  - 128°/s - 128°/s - 138°/s - 138°/s  - 128°/s - 128°/s - 138°/s - 138°/s				1.96 m/s 2.35 m/s 1.45 m/s 2.35 m/s 3.1 m/s 3.
AZ	85°/s	156°/s 156°/s 173°/s : :		126°/s 102°/s 80°/s 126°/s 102°/s 137°/s 130°/s 88°/s - 102°/s - 102°/s - 130°/s 102°/s - 102°/s - 130°/s	107°/s   101°/s   130°/s   115°/s   107°/s   101°/s   101°/s   114°/s   95°/s	90°/s 80°/s 75°/s	91°/s 78°/s 76°/s 50°/s 50°/s 137°/s	126°/s 120°/s -
A3	100°/s	156°/s 156°/s 192°/s 1			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	90°/s 75°/s 70°/s 45°/s 50°/s	114°/s	166°/s 166°/s 166°/s 166°/s 
pole A4	75°/s	343°/s 330°/s 329°/s : 330°/s 329°/s :		- 260°/s 260°/s -	- 179°/s 122°/s 292°/s 179°/s 136°/s 122°/s 292°/s 179°/s - 179°/s 136°/s 136°/s 136°/s 292°/s	120°/s 90°/s 70°/s 90°/s 60°/s 120°/s 90°/s 70°/s	136°/s	260°/s 260°/s 260°/s 260°/s 260°/s 
AS	130°/s	362°/s 330°/s 332°/s : 330°/s : : - : : :		245°/s 245°/s 165°/s 245°/s 245°/s 245°/s 245°/s 165°/s  - 245°/s - 245°/s - 245°/s - 245°/s  - 245°/s - 245°/s - 245°/s - 245°/s	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	110°/s 83°/s 70°/s 83°/s 60°/s	129°/s	245°/s 245°/s 245°/s 245°/s 
A6	135°/s	659°/s 615°/s 789°/s 6	7°/s 610°/s 680°/s 616°/s 648°/s 616°/s	322°/s 322°/s 249°/s 322°/s 322°/s 322°/s 322°/s 249°/s  - 322°/s - 322°/s - 322°/s - 322°/s -  - 322°/s 322°/s - 322°/s -	206°/s 175°/s 284°/s 219°/s 206°/s 175°/s 284°/s 220°/s 284°/s 219°/s 219°/s 206°/s 175°/s 284°/s 220°/s 284°/s 219°/s 206°/s 175°/s 284°/s 220°/s — 219°/s 206°/s 206°/s 206°/s 284°/s — — — — — — — — — — — — — — — — — — —	160°/s     130°/s     110°/s     130°/s     72°/s     374°/s     242°/s     242°/s     242°/s       160°/s     130°/s     110°/s     130°/s     -     -     -     -     -     -       160°/s     130°/s     110°/s     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -     -     -       -	177°/s 177°/s 168°/s 72°/s 72°/s 206°/s	322°/s 322°/s 322°/s 322°/s 322°/s
	139°/s							

- 1) Valid for standard version
- 2) Refers to intersection of axes 4 and 53) Different axis data for ceiling variants
- 4) Robot model available as ceiling-mounted variant 5) Robot model not available as ceiling-mounted
- or Foundry variant

Product Range





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