



Robotics_Range
RG/EN/Apr./2026



























Robots, peripheral equipment, controllers and software from KUKA: the whole world of robotic automation from a single source.

KUKA offers industrial robots in a wide range of versions with various payload capacities and reaches. Our spectrum of products also includes the appropriate robot peripheral equipment - from linear units to end effectors. Combined with cutting - edge software and innovative controllers, we develop individual solutions for your manufacturing processes together with you. Whether for maximum speeds behind the safety fence of your system, as a mobile solution for your Industrie 4.0 requirements, or for direct collaboration between humans and machines in HRC operation.

Standard Versions

Robots that meet different reach and load.

Series	Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Weight (kg)	Mounting position	Protection class	Control Cabinet
Cobot								
iiwa								
	LBR iiwa 7 R800	7	800	±0.1	24	Floor Ceiling Wall	IP54	KUKA Sunrise Cabinet
	LBR iiwa 14 R820	14	820	±0.15	30			
iisy								
	LBR iisy 3 R760	3	760	±0.05	22.8	Floor Ceiling Wall	IP30	KR C5 micro
	LBR iisy 6 R1300	6	1300		46.3		IP54	
	LBR iisy 8 R930	8	930		43.2		IP54	
	LBR iisy 11 R1300	11	1300		46.3		IP54	
	LBR iisy 15 R930	15	930		43.2		IP54	
iico								
	LBR iico 7 R900	7	900	±0.03	26	Floor Ceiling Wall	IP67	KR C5 micro-2
	LBR iico 12 R1260	12	1260	±0.04	40			
	LBR iico 16 R1000	16	1000	±0.04	39			
DELTA								
DELTA								
	KR 15 D1200-2	15	1200	±0.04	94	Ceiling	IP65	KR C5
	KR 15 D1600-2	15	1600		95			
	KR 3 D1200	6	1200	±0.05	95	Ceiling	IP67	KR C5 micro
SCARA								
SCARA CS								
	KR 3 R400 Z150-2 CS	3	400 (Z-stroke 400)	±0.01	14	Floor	IP20	KR CS Box-2
	KR 6 R500 Z200-2 CS	6	500 (Z-stroke 200)	±0.02	20	Floor	IP20	KR CS Box-2
	KR 6 R600 Z200-2 CS	6	600 (Z-stroke 200)		21			
	KR 6 R700 Z200-2 CS	6	700 (Z-stroke 200)		22			
	KR 13 R650 Z200-2 CS	13	650 (Z-stroke 200)	±0.02	46	Floor	IP20	KR CS Box-2
	KR 13 R650 Z400-2 CS	13	650 (Z-stroke 400)		48			
	KR 13 R750 Z200-2 CS	13	750 (Z-stroke 200)		47			
	KR 13 R750 Z400-2 CS	13	750 (Z-stroke 400)		49			
	KR 13 R750 Z600-2 CS	13	750 (Z-stroke 600)		51			
	KR 13 R850 Z200-2 CS	13	850 (Z-stroke 200)		48			
	KR 13 R850 Z400-2 CS	13	850 (Z-stroke 400)		50			
	KR 23 R800 Z450-2 CS	23	800 (Z-stroke 450)	±0.025	59	Floor	IP20	KR CS Box-2
	KR 23 R1000 Z450-2 CS	23	1000 (Z-stroke 450)	±0.025	61			
	KR 23 R1200 Z450-2 CS	23	1200 (Z-stroke 450)	±0.035	63			
	KR 23 R800 Z200-2 CS	23	800 (Z-stroke 200)	±0.025	57			
	KR 23 R1000 Z200-2 CS	23	1000 (Z-stroke 200)	±0.025	59			
	KR 23 R1200 Z200-2 CS	23	1200 (Z-stroke 200)	±0.035	61			
	KR 60 R1200 Z400 CS	60	1200 (Z-stroke 400)	±0.05	120	Floor	IP54	KR CS Box-2

Series	Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Weight (kg)	Mounting position	Protection class	Control Cabinet
SCARA								
	KR 6 R500 Z200-2	6	500 (Z-stroke 200)	±0.02	20	Floor	IP20	KR C5 micro KR C5 micro-2
	KR 6 R700 Z200-2	6	700 (Z-stroke 200)		22			
	KR 12 R650 Z400	12	650 (Z-stroke 400)	±0.02	50	Floor	IP20	KR C5 micro KR C5 micro-2
	KR 12 R750 Z400	12	750 (Z-stroke 400)		50			
	KR 12 R750 Z600	12	750 (Z-stroke 600)		50			
	KR 12 R850 Z400	12	850 (Z-stroke 400)		50			
	KR 20 R800 Z450	20	800 (Z-stroke 450)	±0.03	58	Floor	IP20	KR C5 micro KR C5 micro-2
	KR 20 R1000 Z450	20	1000 (Z-stroke 450)		64			
	KR 20 R1200 Z450	20	1200 (Z-stroke 450)		64			
	KR 60 R1200 Z400	60	1200 (Z-stroke 400)	±0.05	120	Floor	IP54	KR C5 micro KR C5 micro-2
Small Robot								
AGILUS								
	KR 4 R500-3	4	500	±0.015	25	Floor Ceiling Wall	IP54 IP54 IP67 IP67	KR C5 micro KR C5 micro-2
	KR 4 R600-3	4	600	±0.015	25			
	KR 7 R700-3	7	703	±0.02	29			
	KR 7 R900-3	7	902	±0.02	30			
	KR 10 R1100-3	10	1103	±0.02	58	Floor Ceiling Wall	IP67	KR C5 micro-2
	KR 13 R900-3	13	902	±0.02	57			
	KR 16 R1100-3	16	1101	±0.03	89			
Low Payload Robot								
CYBERTECH								
	KR 8 R2010-2	8	2013	±0.04	260	Floor Ceiling Wall	IP65	KR C4 KR C5 KR C5 compact-2
	KR 16 R2010-2	16	2013		260			
	KR 22 R1610-2	22	1612		255			
	KR 20 R1820-2 E	20	1820	±0.04	240	Floor Ceiling Wall	IP67	KR C5 KR C5 compact-2
	KR 25 R1840-3	25	1840	±0.03	237	Floor Ceiling Wall	IP54 body & IP67 wrist	KR C5 KR C5 compact-2
	KR 35 R1840-3	35	1840	±0.03	237			
	KR 12 R1450-3 HW	12	1450	±0.02	170	Floor Ceiling Wall	IP54 body & IP67 wrist	KR C5 KR C5 micro-2
	KR 25 R1840-3 HW	25	1840	±0.03	244	Floor Ceiling Wall	IP54 body & IP67 wrist	KR C5 KR C5 compact-2
	KR 35 R1840-3 HW	35	1840	±0.03	244			
CYBERTECH Arc								
	KR 8 R1440-2 arc HW E	8	1441	±0.04	195	Floor Ceiling	IP54 body & IP65 wrist	KR C5


Series	Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Weight (kg)	Mounting position	Protection class	Control Cabinet
	KR 6 R2010-2 arc HW E	6	2010	±0.04	204	Floor Ceiling	IP54 body & IP65 wrist	KR C5
	KR 8 R2100-2 arc HW	8	2101	±0.04	260	Floor Ceiling Wall	IP54 body & IP65 wrist	KR C4 KR C5

Medium Payload Robot

IONTEC-2


	KR 25 R3100-2	25	3100	±0.06	520	Floor Wall * Ceiling	IP65 body & IP67 wrist	KR C5 midsize-2
	KR 50 R2100-2 KR 50 R2500-2 KR 70 R2100-2	50 50 70	2100 2500 2100	±0.05	500 530 500	Floor Wall * Ceiling	IP65 body & IP67 wrist	KR C5 KR C5 midsize-2

IONTEC ultra

	KR 120 R2300 KR 120 R2700 KR 90 R2300 KR 90 R2700	120 120 90 90	2300 2700 2300 2700	±0.05	723 773 723 773	Floor Ceiling	IP65 body & IP67 wrist	KR C5 KR C5 midsize-2
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High Payload Robot

QUANTEC

	KR 120 R2700-2 KR 120 R3100-2 KR 150 R2700-2 KR 150 R3100-2 KR 180 R2900-2 KR 210 R2700-2 KR 210 R3100-2 KR 240 R2900-2 KR 250 R2700-2 KR 300 R2700-2 KR 350 R2700-2**	120 120 150 150 180 210 210 240 250 300 350	2701 3100 2701 3100 2900 2701 3100 2900 2701 2701 2701	±0.05	1069 1105 1072 1105 1020 1077 1134 1120 1101 1101 1101	Floor	IP65 body & IP67 wrist	KR C4 KR C5 KR C5 midsize-2
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Heavy Payload Robot

FORTEC-1

	KR 240 R3330 KR 280 R3080 KR 340 R3330 KR 360 R2830 KR 420 R3080 KR 420 R3330 KR 500 R2830 KR 510 R3080 KR 600 R2830	240 280 340 360 420 420 500 510 600	3326 3076 3326 2826 3076 3326 2826 3076 2826	±0.08	2421 2415 2421 2385 2415 2686 2385 2680 2650	Floor	IP65 body & IP67 wrist	KR C4 KR C5
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* When wall-mounted, the A1 axis of the robot has swing angle limitations. Please refer to the product manual.

** Currently only KR C4 control cabinet is supported.

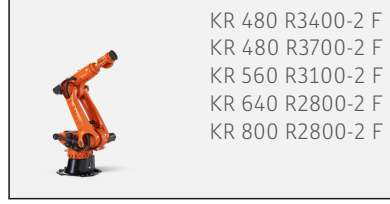
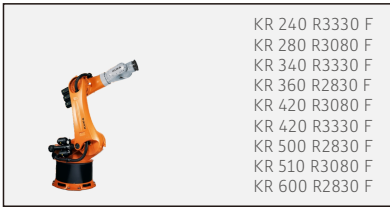
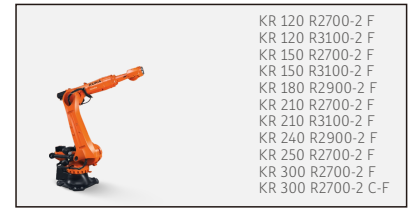
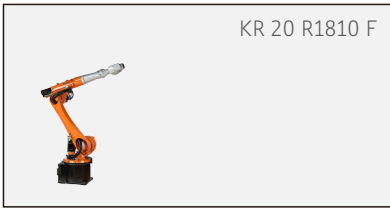
Series	Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Weight (kg)	Mounting position	Protection class	Control Cabinet
FORTEC-2								
	KR 240 R3400-2	240	3400	±0.08	1597	Floor	IP65 body & IP67 wrist	KR C5 KR C5 midsize-2
	KR 240 R3700-2	240	3700		1620			
	KR 280 R3100-2	280	3100		1687			
	KR 340 R3400-2	340	3400		1728			
	KR 360 R2800-2	360	2800		1660			
	KR 420 R3100-2	420	3100		1704			
	KR 500 R2800-2	500	2800		1671			
	KR 420 R3100-2 HI KR 500 R2800-2 HI	420 500	3100 2800		1704 1671			
FORTEC-2 ultra								
	KR 480 R3400-2	480	3400	±0.08	2170	Floor	IP65 body & IP67 wrist	KR C5 KR C5 midsize-2
	KR 480 R3700-2	480	3700		2460			
	KR 560 R3100-2	560	3100		2170			
	KR 640 R2800-2	640	2800		2170			
	KR 800 R2800-2	800	2800		2400			
Ultra Heavy Payload Robot								
titan								
	KR 1000 L750 titan	750	3601	±0.1	4750	Floor	IP65	KR C5
	KR 1000 titan	1000	3202		4690			
TITAN ultra								
	KR 1500 R3200-2	1500	3226	±0.15	4700	Floor	IP65 body & IP67 wrist	KR C5
PA Robot								
PA 40								
	KR 40 PA	40	2091	±0.05	695	Floor	IP65	KR C4
QUANTEC PA								
	KR 140 R3200-2 PA	140	3195	±0.07	1017	Floor	IP65	KR C4
	KR 180 R3200-2 PA	180	3195		1017			KR C5
	KR 240 R3200-2 PA	240	3195		1017			KR C5 midsize-2
FORTEC PA								
	KR 300-2 PA	300	3150	±0.08	2150	Floor	IP65	KR C4
	KR 470-2 PA	470	3150		2150			
	KR 700 PA	700	3320	±0.08	2850	Floor	IP65	KR C4
	KR 550 R3200-2 PA	550	3200	±0.08	2050	Floor	IP65	KR C5
	KR 800 R3200-2 PA	800	3200		2320			
titan PA								
	KR 1000 L950 titan PA	950	3601	±0.1	4740	Floor	IP65	KR C5
	KR 1000 1300 titan PA	1300	3202		4690			

Special Versions

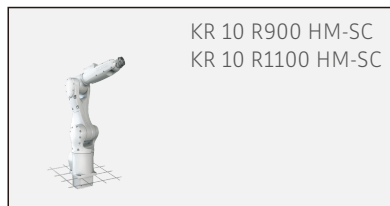
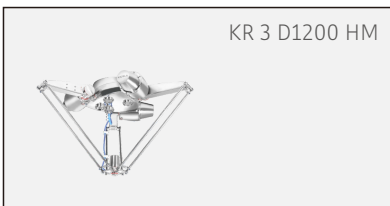
C-High Payload Inverted Series



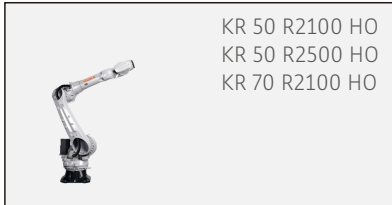
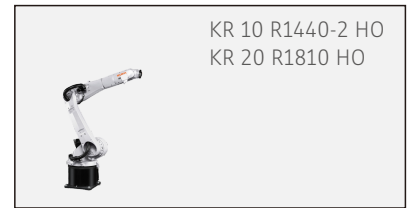
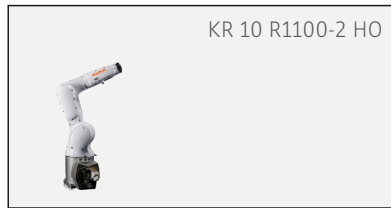
F-Foundry Series



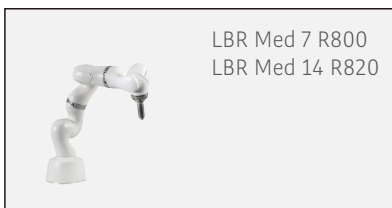
HM-Pharmaceutical Hygiene Series



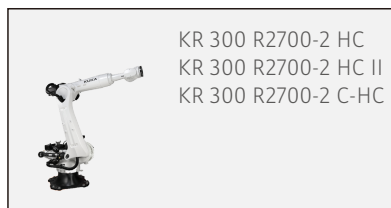
HO-Food Series



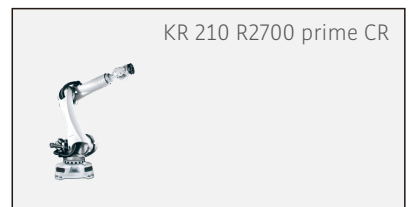
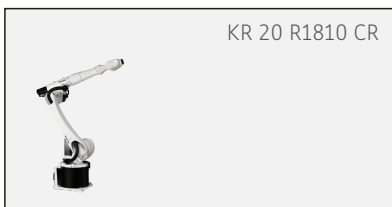
MED-Medical Series



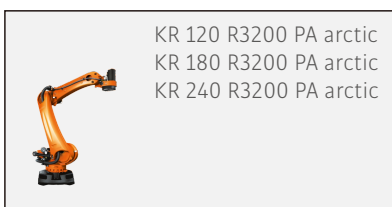
HC-Healthcare Series



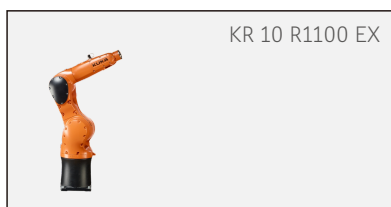
CR-Cleanroom Series



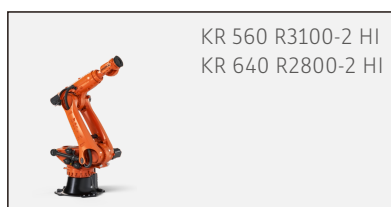
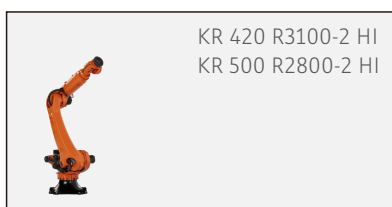
Arctic-Low Temperature Series



EX-Explosion-Proof Series



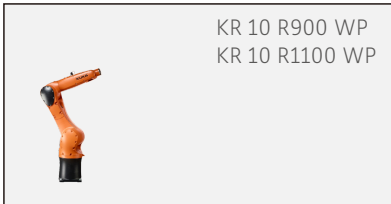
HI-High Inertia Series



MT-Machining Series



WP-Waterproof Series



K-Downreach Series



P-Stamping Series



Exclusive-Exclusive Protect Series






TeachPendant







Types	Controller	Weight (kg)	Size (H x W x D)	IP	Screen
<p>smartPAD touch plus</p>	KR C5 micro-2 KR C5 compact-2 KR C5 midsize-2	1.2	205 x 328 x 97	IP54	LCD, 10.1" Resolution 1280 x 800 Capacitive
<p>smartPAD pro</p>	KR C5 micro KR C5 micro-2 KR C5 compact-2 KR C5 midsize-2	1.4	220 x 320 x 25	IP54	LCD, 10.1" Resolution 1280 x 800 Capacitive
<p>smartPAD-2</p>	KR C4 KR C5 micro KR C5 KUKA Sunrise Cabinet KUKA Sunrise Cabinet Med	1.1	292 x 247 x 63	IP54	LCD, 8.4" Resolution 600 x 800 Capacitive
<p>smartPAD touch</p>	KR C5 BOX-2	1.1	180 x 297 x 74	IP54	LCD, 10.1" Resolution 1280 x 800 Capacitive

Control Cabinets

Future-compatible hardware and smart software ensure extremely efficient performance and maximum cost-effectiveness in the controller for KUKA industrial robots.













Types	Weight (Cabinet + Main Control Unit)	Size (H x W x D)	Power Supply	Compatible with Mainboard Assembly	Supported Series	IP	Maximum Number of External Axes Supported	Teach Pendant
C5-2 Control System								
KR C5 micro-2 	8.5	89 x 440 x 300	AC 1 x 200 V - 240 V	KR C5 micro-2	LBR iico KR SCARA KR AGILUS KR CYBERTECH*	IP 20	2	KUKA smartPAD touch plus
KR C5 compact-2 	42	340 x 595 x 460	AC 3 x 380 V - 480 V	KR C5 slim-2	KR CYBERTECH	IP 54	0	KUKA smartPAD touch plus
KR C5 smallsize-2 	60	640 x 595 x 460	AC 3 x 380 V - 480 V	KR C5 slim-2	KR CYBERTECH	IP 54	3	KUKA smartPAD touch plus KUKA smartPAD Arc
KR C5 midsize-2 	85	960 x 680 x 520	AC 3 x 380 V - 480 V	KR C5 mid- 2 M KR C5 mid- 2 L	KR IONTEC KR QUANTEC KR FORTEC	IP 54	4	KUKA smartPAD touch plus
C5-1 Control System								
KR C5 micro 	9.8	134 x 310 x 397	AC 1 x 200 V - 240 V	KR C5 micro	LBR iisy KR DELTA KR SCARA KR AGILUS KR CYBERTECH	IP 20	0	KUKA smartPAD Pro (LBR iisy) KUKA smartPAD-2
KR C5 basiccab 	65	670 x 645 x 394	AC 3 x 380 V - 3 x 480 V	KR C5 S/M/L	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC	IP 54	1	KUKA smartPAD-2
KR C5 dualcab 	108	720 x 720 x 600	AC 3 x 380 V - 3 x 480 V	KR C5 S/M/L	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC	IP 54	4	KUKA smartPAD-2
KR C5 triplecab 	133	960 x 720 x 600	AC 3 x 380 V - 3 x 480 V	KR C5 S/M/L	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC KR titan	IP 54	6	KUKA smartPAD-2
KR C5 quadcab 	156	1210 x 720 x 600	AC 3 x 380 V - 3 x 480 V	KR C5 S/M/L	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC KR titan	IP 54	6	KUKA smartPAD-2

* Only KR 12 R1450-3 is supported currently, and its performance has slightly degraded.

Types	Weight (kg)	Size (H x W x D)	Power Supply	Supported series	IP	External Axis supported	Teach Pendent
C4 Control System							
KR C4 smallsize-2	60	615 x 580 x 540	AC 3 x 208 V - 3 x 575 V	KR AGILUS KR CYBERTECH	IP 54	6 (Requires Additional Drive Cabinet)	KUKA smartPAD-2
							
KR C4 standard	150	960 x 792 x 558	AC 3 x 208 V - 3 x 575 V	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC	IP 54	3	KUKA smartPAD-2
							
KR C4 midsize	160	1160 x 792 x 558	AC 3 x 208 V - 3 x 575 V	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC	IP 54	3	KUKA smartPAD-2
							
KR C4 extended	240	1600 x 842 x 562	AC 3 x 208 V - 3 x 575 V	KR CYBERTECH KR IONTEC KR QUANTEC KR FORTEC KR Titan	IP 54	10	KUKA smartPAD-2
							
CS Control System							
KR CS Box-2	7	280 x 125 x 310	AC 1 x 200 V - 240 V	KR SCARA	IP 20	0	KUKA smartPAD touch
							
Sunrise Control System							
KUKA Sunrise Cabinet	23	190 x 483 x 460	AC 1 x 110 V -230 V AC	LBR iiwa	IP 20	0	KUKA smartPAD-2
							
KUKA Sunrise Cabinet Med	23	190 x 483 x 460	AC 1 x 110 V -230 V AC	LBR Med	IP 20	0	KUKA smartPAD-2
							

Linear Units

KUKA offers a broad portfolio of linear robots with various travel lengths and additional options for efficient linking of work processes between machines and systems.

Types	Number of slides (Max)	Rated payload	Maximum speed (m/s)	Maximum acceleration (m/s ²)	Positioning repeatability (mm)	Mounting position	Minimum effective travel (m)	Maximum effective travel (m)	Effective segment (m)
KL 100 	4	100	2.5	6	0.02	Floor Ceiling Wall	0.25	30	0.25
KL 250-3 	4	300	1.41	2	0.02	Floor Ceiling	1.1	30.1	0.5
KL 4000 	4	4000	1.89	1	0.02	Floor Ceiling	0.4	30.4	0.5
KL 4000S 	4	4000	2.35	1	0.02	Floor Ceiling	0.4	30.4	0.5
KL 5000 	4	5000	1.89	1	0.02	Floor	0.3	30.3	0.5
RL 1000 	4	1000	2	1.8	< 0.05	Floor	0.5	30	0.5
RL 2000 	4	2000	1.8	1.8	< 0.05	Floor	0.5	30	0.5
RL 4000 	4	4000	1.5	1.2	< 0.05	Floor	0.5	30	0.5
RL 6000 	4	6000	1.4	1	< 0.05	Floor	0	30	–
GL 500 	4	500	1.5	1.2	< 0.05	Floor	2	30	1
GL 1000 	4	1000	1.5	1.2	< 0.05	Floor	1.5	29.5	1
GL 4000 	4	4000	1.5	1.2	< 0.05	Floor	0.5	30	0.5

KUKA Autonomous Mobile Robot

KUKA AMR provides a full range of mobile robot and multi-in-dustry solutions based on hardware and software products developed in-house. We supply intelligent manufacturing and logistics solutions that are flexible, cross-scene and handle the entire production process, we've dedicated ourselves to being at the forefront of smart manufacture: in a wide range of sectors including automotive, 3C electronics, photovoltaic energy, PCB chips, white goods, warehousing and logistics.

± Standard ± Optional - None



Basic data	KMP 400i	KMP 600i-3	KMP 1000i-3	KMP 1500i	KMP 3000i
Dimensions LxWxH	850x550x265mm	980x650x250mm	1150x820x250mm	1180x820x255mm	1900x1200x390mm
Rotation diameter	850mm	980mm	1200mm	1242mm	2250mm
Lifting stroke	60mm	60mm	60mm	60mm	100mm
Weight	120kg	140kg	223kg	230kg	870kg
Rated load	400kg	600kg	1000kg	1500kg	3000kg
Motion mode	Differential	Differential	Differential	Differential	Omnidirectional
Navigation mode	Laser SLAM/QR code/ Texture navigation	Laser SLAM/QR code/Texture navigation	Laser SLAM/QR code/Texture navigation	Laser SLAM/QR code/ Texture navigation	Laser SLAM/QR code/ Texture navigation
Lifting system	Electrical	Electrical	Electrical	Electrical	Hydraulic lifting
Display screen	●	●	●	●	●
Safety protection					
Laser obstacle	Front	Front, Rear Optional	Front, Rear Optional	Front	Diagonal dual laser, 360°-safety protection
3D Camera	Front/Rear	Front Optional	Front Optional	Front/Rear	Front/Rear
Safety bumper	Surround	Surround	Surround	Surround	Surround
E-stop button	Diagonal,2 buttons	Diagonal,2 buttons	Diagonal,2 buttons	Around,4 buttons	Around,4 buttons
Sound warning	●	●	●	●	●
Indicator light	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Around
Rack detection	●	●	●	●	●
Motion performance					
Max. driving speed (w/o load)	1.5m/s	2.0m/s	2.0m/s	1.8m/s	1.2m/s
Max. driving speed (w/ load)	1.0m/s	1.5m/s	1.5m/s	1.5m/s	1.0m/s
Positioning accuracy	±10mm, ±1° (SLAM)/ ±5mm, ±0.5° (QR)	±10mm, ±1° (SLAM)/ ±5mm, ±0.5° (QR)	±10mm, ±1° (SLAM)/ ±5mm, ±0.5° (QR)	±10mm, ±1° (SLAM)/ ±5mm, ±0.5° (QR)	±10mm, ±1° (SLAM)/ ±5mm, ±0.5° (QR)
Gradient	5% max	5% max	5% max	5% max	5% max
Step height	5mm max	5mm max	5mm max	5mm max	10mm max
Gap width	35mm max	35mm max	35mm max	35mm max	35mm max
Battery data					
Battery type	LFP	LFP	LFP	LFP	LFP
Battery endurance	8h	8h	8h	8h	8h
Battery lifecycle	>2000 full charge cycles	>2000 full charge cycles	>2000 full charge cycles	>2000 full charge cycles	>2500 full charge cycles
Charging time	<1.5h	<1.5h	<1.5h	<2h	<2h
Charging method	Conductive Charging	Conductive Charging, Inductive Charging Optional	Conductive Charging, Inductive Charging Optional	Conductive Charging	Conductive Charging, Inductive Charging Optional
Others					
IP Class	IP20	IP20	IP20	IP20	IP20
Operating temperature	0°C~45°C	0°C~45°C	0°C~45°C	0°C~45°C	0°C~45°C
Operating noise	≤75 dB(A)	≤75 dB(A)	≤75 dB(A)	≤75 dB(A)	≤75 dB(A)
5G communication	○	○	○	○	○
Certification	ISO6,NCC	-	-	NCC	-



KMP 250P

KMP 600W

KMP 600P

KMP 1500P

KMP 3000P

800x520x300mm

980x686x268mm

980x686x270mm

1300x900x263mm

2200x1200x370mm

900mm

980mm

1120mm

1505mm

2506mm

60mm

60mm

80mm

60mm

100mm

100kg

154kg

160kg

290kg

850kg

250kg

600kg

600kg

1500kg

3000kg

Differential

Differential

Differential

Differential

Omnidirectional

SLAM & QR Hybrid Navigation, Texture

QR code

Laser SLAM/QR code/Texture navigation

Laser SLAM/QR code/Texture navigation

Laser SLAM/QR code/Texture navigation

Electrical

Electrical

Electrical

Electrical

Electrical

–

–

●

●

●

Front/Rear

Front

Diagonal dual laser, 360°-safety protection

Diagonal dual laser, 360°-safety protection

Diagonal dual laser, 360°-safety protection

Front

–

Front/Rear

Front/Rear

Front/Rear/Left/Right

Surround

Surround

Surround

Surround

Surround

Diagonal, 2 buttons

Diagonal, 2 buttons

Around, 4 buttons

Around, 4 buttons

Around, 4 buttons

●

●

●

●

●

Front/Rear

Front/Rear

Front/Rear

Front/Rear

Around

●

●

●

●

●

2.0m/s

2.0m/s

2.0m/s

1.8m/s

1.2m/s

1.5m/s

1.5m/s

1.5m/s

1.5m/s

1.0m/s

±10mm, ±1° (SLAM)/
±5mm, ±0.5° (QR)

±5mm, ±0.5°

±10mm, ±1° (SLAM)/
±5mm, ±0.5° (QR)

±10mm, ±1° (SLAM)/
±5mm, ±0.5° (QR)

±10mm, ±1° (SLAM)/
±5mm, ±0.5° (QR)

5% max

5% max

5% max

5% max

5% max

5mm max

5mm max

5mm max

5mm max

10mm max

35mm max

35mm max

35mm max

35mm max

35mm max

LFP

LFP

LFP

LFP

LFP

8h

8h

8h

10h

8h

>2000 full charge cycles

>2000 full charge cycles

>2000 cycles (Fully charge and discharge)

>2000 full charge cycles

>2500 full charge cycles

<2h

<1.5h

<2h

<2h

<2h

Conductive Charging, Inductive Charging Optional

Conductive Charging

Conductive Charging, Inductive Charging Optional

Conductive Charging, Inductive Charging Optional

Inductive Charging

IP24

IP20

IP54

IP54

IP54

0°C~45°C

0°C~45°C

0°C~45°C

0°C~45°C

0°C~45°C

≤75 dB(A)

≤65 dB(A)

≤75 dB(A)

≤75 dB(A)

≤75 dB(A)

○

○

○

○

○

FCC, CE, cTUVuS, ISO 5 Optional, ESD Optional

NRTL, FCC

CE, cTUVus, FCC

CE, cTUVus, FCC

CE, cTUVus, FCC





● Standard ○ Optional - None



Basic Data	KMF 1500i-PJ	KMF 1500i-CB	KMF 1500i-PS	KMF 1500P-CB
Dimensions L x W x H	1715×940×2080mm	2703×1110×2258mm	1725×1040×2115mm	2750×1032×2304mm
Fork Dimensions	180×60×1150mm	120×40×1150mm	175×60×1150mm	142×45×1235mm
Rated Load	1500kg	1500kg	1500kg	1500kg
Weight	385kg	2400kg	1045kg	2820kg
Fork Mechanism				
Lifting Stroke	120mm	1500/3000mm	2300/3500mm	4500mm
Load centre distance	600mm	600mm	600mm	600mm
Wheelbase	1158mm	1150mm	1010mm	1150mm
Lifting speed (loaded)	–	95mm/s	100mm/s	100mm/s
Lifting speed (unloaded)	–	120mm/s	120mm/s	120mm/s
Descent speed (loaded)	–	85mm/s	110mm/s	110mm/s
Descent speed (unloaded)	–	100mm/s	110mm/s	110mm/s
Motion Performance				
Braking system	Electromagnetic braking	Electromagnetic braking	Electromagnetic braking	Electromagnetic braking
Navigation mode	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM
Turning radius	1550mm	1511mm	1315mm	1400mm
Max. speed (loaded)	1.1m/s	1.4m/s	1.3m/s	1.0m/s
Max. speed (unloaded)	1.4m/s	1.7m/s	1.3m/s	1.25m/s
Max. climbing ability (loaded)	3%	3%	3%	3%
Max. climbing ability (unloaded)	5%	5%	5%	5%
Positioning accuracy	±10mm	±10mm	±10mm	±10mm
Parking angle	±1°	±1°	±1°	±1°
Battery type	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery
Power System				
Battery voltage/capacity	24V/60Ah	24V, 250/315AH	24V, 210/250AH	24V/210AH
Driving motor power	0.65kw	2.6kw	1.4kw	2.0kw
Lifting motor power	0.8kw	3.0kw	3.0kw	3.0kw
Wheel material	Polyurethane Wheel (PU)	Polyurethane Wheel (PU)	Polyurethane Wheel (PU)	Polyurethane Wheel (PU)
Wheel Parameters				
Drive wheel	φ220×70mm	φ250×82mm	φ230×70mm	φ254×82mm
Load-bearing wheel	φ84×84mm	φ210×85mm	φ84×70mm	φ210×85mm
Applicable scenarios	Stringer Pallet	Stringer Pallet/ Block Pallet	Stringer Pallet	Stringer Pallet/ Block Pallet
Environmental conditions				
Ground bearing capacity	1300kg/m ²	2935kg/m ²	2000kg/m ²	3120kg/m ²
Minimum ground clearance	23mm	60mm	25mm	80mm

KUKA Vision

KUKA.Vision 2D Lite

Types	Pixels	Resolution	CCD Size	Dimensions (mm)	Supported Lenses
 KUKA-050-GM/GC	5 million	2448x2048	2/3 inch Mono/Colour	29x29x42	8mm/ 12mm/ 16mm/ 25mm/ 50mm
 KUKA-060-RM	6 million	3072x2048	1/1.8 inch Mono	29x29x42	8mm/ 12mm/ 16mm/ 25mm/ 50mm
 KUKA-120-RM/RC	12 million	4024x3036	1/1.7 inch Mono/Colour	29x29x42	8mm/ 12mm/ 16mm/ 25mm/ 50mm
 KUKA-200-RM/RC	20 million	5472x3648	1 inch Mono/Colour	29x29x42	8mm/ 12mm/ 16mm/ 25mm/ 50mm

KUKA.Vision 3D Lite

Types	Working distance (mm)	Resolution	Measurement accuracy	Dimensions (mm)	IP class
 Camera 3D U-300M	280~320	2048x1536	0.03 mm @ 0.3 m	260x65x142	IP65
 Camera 3D N-350M	250~500	2400x1800	0.1 mm @ 0.5 m	125x46x76	IP65
 Camera 3D S-500M	500~600	1920x1200	0.1 mm @ 1 m	265x57x100	IP65
 Camera 3D S-700M	600~800	1920x1200	0.1 mm @ 1 m	265x57x100	IP65
 Camera 3D S-1000M	800~1000	1920x1200	0.1 mm @ 1 m	265x57x100	IP65
 Camera 3D M-1200M	1000~1300	1920x1200	0.2 mm @ 2 m	353x57x100	IP65
 Camera 3D M-2000M	1300~2000	1920x1200	0.2 mm @ 2 m	353x57x100	IP65
 Camera 3D L-1500CL	1200~1800	4000x3000	1.0 mm @ 3 m	459x77x86	IP65
 Camera 3D L-3000CL	1800~3000	4000x3000	1.0 mm @ 3 m	459x77x86	IP65
 Camera 3D D-30000	1200~3500	2000x1500	3.0 mm @ 3 m	366x77x92	IP65

Robot Extended Warranty Service



After the warranty period of the robot equipment expires, there may be concerns about equipment failure affecting production operations and the resulting high repair costs. To ensure the continuous smooth operation of your business, we sincerely recommend choosing the official robot extended warranty service. Official guarantee, comprehensive coverage, ensuring worry-free production.

Service Introduction

- This service covers most KUKA robot products currently on the market
- Extends the warranty service (labor + parts) for robots by one to four years after the warranty period expires
- The warranty scope and terms are consistent with the new robot warranty

Service Advantages

- Provides technical capabilities and quality assurance with global resources
- Nationwide service capability layout, quickly responding to customer needs and providing on-site service with professional analysis and repair solutions from the original manufacturer
- Quick response, priority service
- Original manufacturer parts, multiple domestic warehouses for nearby shipping, ensuring parts arrive as soon as possible

Service Content

- Provides emergency repair services
- Provides quick parts response services
- Provides 7/24-hour remote support consultation and technical support services
- Provides robot health consultation services
- Provides 7/24-hour hotline service



Customer Services

We are at your service

With our global network and by using the latest means of communication, we can offer our customers the outstanding service of a global market leader.

Speed, reliability and professionalism are essential in guaranteeing efficient production processes – throughout the entire life cycle of your automation solution.

For this reason, we take an open-minded approach to your specific and individual requirements. In addition to our experience from everyday operations and findings from research and development, feedback from our customers also helps us to deliver the best service possible.

in **4** regions **70** subsidiaries worldwide

Service Sales Consultant

- Customer service window
- Enhance services to improve customer satisfaction

KUKA College

- Operation of Training Institute
- Robot talent Training
- Talent education program development

Spare parts Service

- Spare parts inventory guarantee
- Spare parts package service
- Spare parts delivery and tracking

On site service

- Site commissioning and service
- Fault response and support

Direct Access to CEO

- Issues directly reach Chinese management
- Submit with one click via PC/APP/Mini Program
- Full process transparent tracking
- Ensure 24-hour closed-loop resolution

Interaction Center

- Technical Consulting
- Online interaction
- Fault reporting for repair

New Services

- Maintenance
- Refurbishment of robot
- Second hand robot

Engineering Services

- Robots benefit from old transformation and upgrading
- Industrial digital transformation and upgrading
- Other customized technical transformation services
- Robot application technology reform

Video Customer Service

- High-definition quality (480p-1080p) + 80% packet loss resistance
- Low-latency connection to engineers
- Real-time remote guidance
- AAA-grade audio processing

Over **1,400** customer service employees

Find the right contact person for you here - we will be happy to help you.

www.KUKA.com/customers-service

8,000 different parts in stock

1,000 deliveries per week

More than **200,000**
industrial robots on the market



46 College sites

with more than **19,000** participants

Authorised Distributor

HOST PTE LTD

No 101 Eunos Ave 3, TSL Building, #07-06 Singapore 409835

Tel : +65 67412778

Website : www.host.sg

Email : sales@host.sg

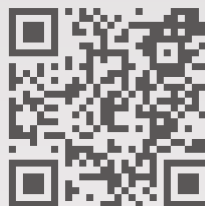
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