

KUKA



Robotics_Range




























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.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 KR DELTA	3	diameter 1200	±0.05	Ceiling	IP67	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
 KR SCARA CS	60	1200 (Z-stroke 400)	±0.05	Floor	IP54	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CS	20	800 (Z-stroke 450) 1000 (Z-stroke 450) 1200 (Z-stroke 450)	±0.03	Floor	IP20	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CS	12	650 (Z-stroke 400) 750 (Z-stroke 400) 850 (Z-stroke 400)	±0.02	Floor	IP20	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CS	6	700 (Z-stroke 200) 600 (Z-stroke 200) 500 (Z-stroke 200)	±0.02	Floor	IP20	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CS	3	400 (Z-stroke 150)	±0.01	Floor	IP20	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA	12	650 (Z-stroke 400) 750 (Z-stroke 400/600) 850 (Z-stroke 400)	±0.02	Floor	IP20	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
 KR SCARA-2	6	700 (Z-stroke 200) 500 (Z-stroke 200)	±0.02	Floor	IP20	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
 KR 4 AGILUS	4	601	±0.02	Floor Ceiling Wall Angle	IP40	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
 KR AGILUS-2	10	1101	±0.02	Floor	IP65/ IP67	KR C4 Compact	2	KUKA smartPAD-2	KSS 8.6
	10	901		Ceiling		KR C4	6	KUKA smartPAD-2	KSS 8.6
	6	901		Wall		smallsize-2	0	KUKA smartPAD-2	KSS 8.7
	6	726		Angle		KR C5 micro			
 KR CYBERTECH nano	10	1421	±0.04	Floor Ceiling Wall Angle	IP54	KR C4 compact	2	KUKA smartPAD-2	KSS 8.6
						KR C4 smallsize-2	6	KUKA smartPAD-2	KSS 8.6
 KR CYBERTECH nano-2	10	1440	±0.04	Floor	IP65 body & IP67 wrist	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
	8	1640		Ceiling		KR C5 S	6	KUKA smartPAD-2	KSS 8.7
	6	1840		Wall Angle					



Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	KR CYBERTECH	8	1421	Floor Ceiling Wall Angle	IP54	KR C4 smallsize-2 KR C4 compact	6 2	KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6
	ARC nano	8	1641						
		6	1821						
	KR CYBERTECH	8	1441	Floor Ceiling	IP65 body & IP54 wrist	KR C5 S	6	KUKA smartPAD-2	KSS 8.7
	ARC nano-2	8	1641						
		6	1843						
	KR CYBERTECH nano ARC E	6	1440 2010	Floor Ceiling	IP54 body & IP65 wrist	KR C5 S	6	KUKA smartPAD-2	KSS 8.7
	KR	22	1612	Floor Ceiling Wall Angle	IP65	KR C4 KR C4 extended KR C5 S	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
	CYBERTECH-2	20	1813						
		16	2013						
		16	1612						
		12	1813						
		8	2013						
	KR CYBERTECH-2 E	20	1820	Floor Ceiling Wall Angle	IP54 body & IP65 wrist	KR C5 S	6	KUKA smartPAD-2	KSS 8.7
	KR CYBERTECH-2 ARC	8	2101	Floor Ceiling Wall Angle	IP65	KR C4 KR C4 extended KR C5 S	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
	KR IONTEC	70	2101	Floor Ceiling Wall* Angle	IP65	KR C4 KR C4 extended KR C5 M	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
		50	2101/2501						
		30	2101						
		20	3101						
	KR QUANTEC	210	2700	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
	KR QUANTEC-2	300	2701	Floor Ceiling	IP65	KR C4 KR C4 extended KR C5 M	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
		250	2701						
		240	2900						
		210	3100						
	KR QUANTEC-2	210	2701	Floor	IP65	KR C4 KR C4 extended KR C5 M	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
		180	2900						
		150	3100						
		150	2701						
		120	3100						
		120	2701						
	KR QUANTEC-K	270	3105	Floor	IP65	KR C4 KR C4 extended KR C5 M	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
		210	3305						
		180	3505						
		120	3904						

*Limitations for wall mounted robots.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 KR QUANTEC nano	160	1573	±0.06	Floor	IP65	KR C4 KR C4 extended	3	KUKA smartPAD-2	KSS 8.6
	120	1803		Ceiling			6	KUKA smartPAD-2	KSS 8.6
 KR 360 FORTEC	360	2826	±0.08	Floor	IP65	KR C4 KR C4 extended KR C5 L	2	KUKA smartPAD-2	KSS 8.6
	240	3326		Ceiling			6	KUKA smartPAD-2	KSS 8.6
							6	KUKA smartPAD-2	KSS 8.7
 KR 500 FORTEC	500	2826	±0.08	Floor	IP65	KR C4 KR C4 extended KR C5 L	2	KUKA smartPAD-2	KSS 8.6
	420	3076		Ceiling			6	KUKA smartPAD-2	KSS 8.6
	340	3326					6	KUKA smartPAD-2	KSS 8.7
 KR 600 FORTEC	600	2826	±0.08	Floor	IP65	KR C4 KR C4 extended KR C5 L	2	KUKA smartPAD-2	KSS 8.6
	510	3076					6	KUKA smartPAD-2	KSS 8.6
	420	3326					6	KUKA smartPAD-2	KSS 8.7
 KR 500 FORTEC MT	500	2826	±0.08	Floor	IP65	KR C4 KR C4 extended KR C5 L	2	KUKA smartPAD-2	KSS 8.6
	480	3326					6	KUKA smartPAD-2	KSS 8.6
							6	KUKA smartPAD-2	KSS 8.7
 KR FORTEC-2 ultra	480	3400	±0.08	Floor	IP65	KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	480	3700							
	560	3100							
	640	2800							
	800	2800							
 KR 1000 titan	1000	3202	±0.1	Floor	IP65	KR C4 extended KR C5 L+ 2x additional axis	3	KUKA smartPAD-2	KSS 8.6
	750	3601					6	KUKA smartPAD-2	KSS 8.7






Cobots

Work together with staff without security fences.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 LBR iiwa	7	800	±0.1 ±0.15	Floor	IP54	KUKA Sunrise Cabinet	0	KUKA smartPAD-2	KUKA Sunrise OS
	14	820		Ceiling Wall					
 LBR iisy	3	760	±0.05	Floor	IP30 IP54 IP54 IP54 IP54	KR C5 micro	0	KUKA smartPAD Pro	KUKA iiQKA OS
	6	1300		Ceiling					
	8	930		Wall					
	11	1300		Angle					
	15	930							

High and Heavy-Duty Payload Ceiling Robots










In a ceiling environment, a sturdy and compact structural design is adopted, which is easy to match with various application scenarios.


Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	300	2701	±0.05	Ceiling	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
	250	2701				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
	240	2900				KR C5 M	6	KUKA smartPAD-2	KSS 8.7
	210	3100							
	KR QUANTEC	160	±0.06	Ceiling	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
	nano	120	1803			KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
	360	2826	±0.08	Ceiling	IP65	KR C4	2	KUKA smartPAD-2	KSS 8.6
	240	3076				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
						KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	KR QUANTEC	120	±0.06	Ceiling	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
	press	100				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
						KR C5 M	6	KUKA smartPAD-2	KSS 8.7
	500	2826	±0.08	Ceiling	IP65	KR C4	2	KUKA smartPAD-2	KSS 8.6
						KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
						KR C5 L	6	KUKA smartPAD-2	KSS 8.7

Foundry Versions

With their heat-, corrosion-, alkali- and acid-resistant coating, KUKA Foundry robots are optimally equipped for the harsh working environments in the foundry and forging industry.








Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System	
	20	1813	±0.04	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6	
				Ceiling		KR C4 extended	6	KUKA smartPAD-2	KSS 8.6	
				Wall		KR C5 S	6	KUKA smartPAD-2	KSS 8.7	
	20	2010	±0.04	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6	
	KS-F						KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
							KR C5 S	6	KUKA smartPAD-2	KSS 8.7
	50	2501	±0.05	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6	
	70	2101		Ceiling		KR C4 extended	6	KUKA smartPAD-2	KSS 8.6	
				Wall		KR C5 M	6	KUKA smartPAD-2	KSS 8.7	
				Angle						

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System	
	KR QUANTEC-2	300	2701	±0.05	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
		250	2701		Ceiling		KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
		240	2900				KR C5 M	6	KUKA smartPAD-2	KSS 8.7
		210	3100							
		180	2900		Only Floor					
	KR QUANTEC-2	210	2701	±0.05	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
		150	3100				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
		150	2701				KR C5 M	6	KUKA smartPAD-2	KSS 8.7
		120	3100							
		120	2701							
	KR QUANTEC-K	270	3105	±0.05	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
		210	3305				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
		180	3505				KR C5 M	6	KUKA smartPAD-2	KSS 8.7
	KR 360 FORTEC	360	2826	±0.08	Floor	IP65	KR C4	2	KUKA smartPAD-2	KSS 8.6
		280	3076		Ceiling		KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
		240	3326				KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	KR 500 FORTEC	500	2826	±0.08	Floor	IP65	KR C4	2	KUKA smartPAD-2	KSS 8.6
		420	3076		Ceiling		KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
		340	3326				KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	KR 600 FORTEC	600	2826	±0.08	Floor	IP65	KR C4	2	KUKA smartPAD-2	KSS 8.6
		510	3076				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
		420	3326				KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	KR 500 FORTEC MT	500	2826	±0.08	Floor	IP65	KR C4	2	KUKA smartPAD-2	KSS 8.6
		480	3326				KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
							KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	KR 1000 titan	1000	3202	±0.1	Floor	IP65	KR C4 extended	3	KUKA smartPAD-2	KSS 8.6
		750	3601				KR C5 L+ 2x additional axis	6	KUKA smartPAD-2	KSS 8.7
	KR 1000 L950 titan PA	950	3601	±0.1	Floor	IP65	KR C4 extended	3	KUKA smartPAD-2	KSS 8.6
							KR C5 L+ 2x additional axis	6	KUKA smartPAD-2	KSS 8.7

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 KR 1000 1300 titan PA	1300	3202	±0.1	Floor	IP65	KR C4 extended	3	KUKA smartPAD-2	KSS 8.6
						KR C5 L+ 2x additional axis	6	KUKA smartPAD-2	KSS 8.7









Palletizing Robots

KUKA offers perfectly matched solutions for robot-based palletizing and depalletizing in a wide range of industries.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 KR 40 PA	40	2091	±0.05	Floor	IP65	KR C4	4	KUKA smartPAD-2	KSS 8.6
						KR C4 extended	7	KUKA smartPAD-2	KSS 8.6
						KR C5 M	6	KUKA smartPAD-2	KSS 8.7
 KR QUANTEC-2 PA	240	3195	±0.07	Floor	IP65	KR C5 M	6	KUKA smartPAD-2	KSS 8.7
	180	3195							
	140	3195							
 KR 300-2 PA	300	3150	±0.08	Floor	IP65	KR C4	4	KUKA smartPAD-2	KSS 8.6
						KR C4 extended	7	KUKA smartPAD-2	KSS 8.6
						KR C5 L	6	KUKA smartPAD-2	KSS 8.7
 KR 470-2 PA	470	3150	±0.08	Floor	IP65	KR C4	4	KUKA smartPAD-2	KSS 8.6
						KR C4 extended	7	KUKA smartPAD-2	KSS 8.6
						KR C5 L	6	KUKA smartPAD-2	KSS 8.7
 KR 700 PA	700	3320	±0.08	Floor	IP65	KR C4	4	KUKA smartPAD-2	KSS 8.6
						KR C4 extended	7	KUKA smartPAD-2	KSS 8.6
						KR C5	6	KUKA smartPAD-2	KSS 8.7
 KR 1000 L950 titan PA	950	3601	±0.1	Floor	IP65	KR C4 extended	3	KUKA smartPAD-2	KSS 8.6
						KR C5 L+ 2x additional axis	6	KUKA smartPAD-2	KSS 8.7
 KR 1000 1300 titan PA	1300	3202	±0.1	Floor	IP65	KR C4 extended	3	KUKA smartPAD-2	KSS 8.6
						KR C5 L+ 2x additional axis	6	KUKA smartPAD-2	KSS 8.7


Hygienic Machines

With food-compatible H1 lubricants in all axes, KUKA robots in the "Hygienic Oil" (HO) variant meet the high requirements of the food industry for hygienic handling with no compromises.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendent	Operating System	Comments
 KR DELTA	3	diameter 1200	±0.1	Ceiling	IP67	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7	HM
 KR AGILUS	10 10 6 6	1101 901 901 706	±0.03	Floor Ceiling Wall Angle	IP54	KR C4 Compact KR C4 smallsize-2 KR C5 micro	2 6 0	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7	HMSC
 KR AGILUS-2 HO	10 6	1101 901	±0.02	Floor Ceiling Wall Angle	IP65/ IP67	KR C4 Compact KR C4 smallsize-2 KR C5 micro	2 6 0	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7	HO
 KR CYBERTECH nano-2 HO	10	1440	±0.04	Floor Ceiling Wall Angle	IP54	KR C4 compact KR C4 smallsize-2	2 6	KUKA smartPAD-2	KSS 8.6	HO
 KR CYBERTECH HO	20	1813	±0.04	Floor Ceiling Wall Angle	IP65	KR C4 KR C4 extended KR C5 S	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7	HO
 KR IONTEC HO	70 50	2101 2101/2501	±0.05	Floor Ceiling Wall Angle	IP65	KR C4 KR C4 extended KR C5 M	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7	HO
 KR QUANTEC-2 HO	120 150 240	2701 3100 2900	±0.05	Floor	IP65	KR C4 KR C5 M	6	KUKA smartPAD-2	KSS8.6 KSS8.7	HO
 KR QUANTEC-2 PA HO	240 180 140	3195 3195 3195	±0.07	Floor	IP65	KR C5 M KR C4	6	KUKA smartPAD-2	KSS 8.7	HO










Medical Versions

From diagnostics and surgical interventions on the patient right through to therapy: KUKA robots meet the stringent requirements needed in the medical field.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendent	Operating System
 LBR Med	7 14	800 820	±0.1 ±0.15	Floor Ceiling Wall	IP54	KUKA Sunrise Cabinet Med	0	KUKA smartPAD-2	KUKA Sunrise. OS Med


Suitable for Cleanrooms

Meet high ISO rating and suitable for a variety of cleanroom applications.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 KR SCARA CS CR	3	400 (Z-stroke 120)	±0.01	Floor	IP20	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CS CR	6	500 (Z-stroke 170) 600 (Z-stroke 170) 700 (Z-stroke 170)	±0.02	Floor	IP20	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CS CR	12	650 (Z-stroke 340) 750 (Z-stroke 340) 850 (Z-stroke 340)	±0.02	Floor	IP54	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 KR SCARA CR	12	650 (Z-stroke 340) 750 (Z-stroke 340) 850 (Z-stroke 340)	±0.02	Floor	IP54	KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
 KR SCARA CS CR	20	1200 (Z-stroke 390)	±0.035	Floor	IP54	KR CS Box-2	0	KUKA smartPAD touch	KUKA. ControlStudio
 LBR iiwa	7 14	800 820	±0.1 ±0.15	Floor Ceiling Wall	IP54	KUKA Sunrise Cabinet	0	KUKA smartPAD-2	KUKA Sunrise. OS
 KR AGILUS CR	10 10 6 6	1101 901 901 706	±0.03	Floor Ceiling Wall Angle	IP54	KR C4 Compact KR C4 smallsize-2 KR C5 micro	2 6 0	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
 KR CYBERTECH CR	20	1813	±0.04	Floor Ceiling Wall Angle	IP65	KR C4 KR C4 extended KR C5 S	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7
 KR QUANTEC CR	210	2701	±0.05	Floor	IP65	KR C4 KR C4 extended KR C5 M	3 6 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7


Arctic Versions

Flexible robot for use in deep-freeze environments from -30°C to 10°C.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
 KR 700 PA	700	3320	±0.08	Floor	IP65	KR C4 KR C4 extended KR C5 L	4 7 6	KUKA smartPAD-2 KUKA smartPAD-2 KUKA smartPAD-2	KSS 8.6 KSS 8.6 KSS 8.7


Water Proof Versions

The use of strong stainless steel cover plate to effectively prevent splashing around.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	10	1101	±0.03	Floor	IP65/IP67	KR C4 Compact	2	KUKA smartPAD-2	KSS 8.6
	10	901		Ceiling		KR C4 smallsize-2	6	KUKA smartPAD-2	KSS 8.6
	6	901		Wall		KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
	6	706		Angle					


For Potentially Explosive Areas

Maintain high accuracy work in extreme conditions with explosion risk.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	10	1101	±0.03	Floor	IP67	KR C4 Compact	2	KUKA smartPAD-2	KSS 8.6
	6	901		Ceiling		KR C4 smallsize-2	6	KUKA smartPAD-2	KSS 8.6
				Wall		KR C5 micro	0	KUKA smartPAD-2	KSS 8.7
				Angle					


Press

To achieve each stamping station on the material stamping, handling, loading and unloading work.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	120	3501	±0.06	Floor	IP65	KR C4	3	KUKA smartPAD-2	KSS 8.6
	press 100			Ceiling		KR C4 extended	6	KUKA smartPAD-2	KSS 8.6
						KR C5 M	6	KUKA smartPAD-2	KSS 8.7


High Inertia

The High Inertia variants of KUKA increase the maximum permissible mass moment of inertia significantly with extended grippers.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	640	2800	±0.08	Floor	IP65	KR C5 L	6	KUKA smartPAD-2	KSS 8.7
	ultra HI 560	3100							













Foundry Exclusive

Acid and alkali resistance, high temperature and corrosion, This robot series have IP65, IP67, IP69 high protection grade.

Types	Payload (kg)	Max. reach (mm)	Positioning repeatability (mm)	Mounting position	Protection class	Control Cabinet	Maximum External Axis	Teach Pendant	Operating System
	120	2100	±0.05	Floor	IP65/	KR C4	3	KUKA smartPAD-2	KSS 8.6
	180	2100	±0.05	Floor	IP67/IP69				



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		±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		±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		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

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 (kg)	Size (H x W x D)	Power Supply	Supported series	IP	External Axis supported	Teach Pendant
KUKA Sunrise Cabinet 	23	190 x 483 x 460	AC 110 V - 230 V AC	LBR iiwa	IP 20	0	KUKA smartPAD-2
KUKA Sunrise Cabinet Med 	23	190 x 483 x 460	AC 110 V - 230 V AC	LBR Med	IP 20	0	KUKA smartPAD-2
KR CS Box-2 	7	280 x 125 x 310	AC 200 V-240 V	KR SCARA	IP 20	0	KUKA smartPAD touch
KR C4 compact 	33	271 x 483 x 460	AC 200 V - 230 V	KR AGILUS KR AGILUS-2 KR CYBERTECH nano	IP 20	2 (Additional cabinets required)	KUKA smartPAD-2
KR C4-smallsize-2 	60	615 x 580 x 540	AC 3 x 208 V - 3 x 575 V	KR AGILUS KR AGILUS-2 KR CYBERTECH nano	IP 54	6 (Additional cabinets required)	KUKA smartPAD-2
KR C4 standard 	150	960 x 792 x 558	AC 3 x 208 V - 3 x 575 V	KR CYBERTECH KR CYBERTECH-2 KR IONTECH KR QUANTEC KR QUANTEC-2 KR QUANTEC nano 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 CYBERTECH-2 KR IONTECH KR QUANTEC KR QUANTEC-2 KR QUANTEC nano 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 CYBERTECH-2 KR IONTECH KR QUANTEC nano KR QUANTEC KR QUANTEC-2 KR QUANTEC nano KR FORTEC KR Titan	IP 54	6 (Up to 18 motors)	KUKA smartPAD-2

Types	Weight (kg)	Size (H x W x D)	Power Supply	Supported series	IP	External Axis supported	Teach Pendant
 KR C5 micro	9	134 x 310 x 397	AC 200 V–240 V	LBR iisy KR DELTA KR SCARA KR 4 AGILUS KR AGILUS KR AGILUS-2 KR CYBERTECH nano-2	IP 20	0	KUKA smartPAD Pro (LBR iisy) KUKA smartPAD-2
 KR C5 S	22	207 x 392 x 500	AC 3 x 380 V - 3 x 480 V	KR CYBERTECH nano-2 KR CYBERTECH KR CYBERTECH-2	IP 20	1	KUKA smartPAD-2
 KR C5 M	22	207 x 392 x 500	AC 3 x 380 V - 3 x 480 V	KR IONTECH KR QUANTEC KR QUANTEC-2	IP 20	1	KUKA smartPAD-2
 KR C5 L	22	207 x 392 x 500	AC 3 x 380 V - 3 x 480 V	KR FORTEC KR Titan	IP 20	1	KUKA smartPAD-2
 KR C5 dualcab	83	620 x 720 x 600	AC 3 x 380 V - 3 x 480 V	Following KR C5 S/M/L	IP 54	4	KUKA smartPAD-2
 KR C5 triplecab	107	680 x 720 x 600	AC 3 x 380 V - 3 x 480 V	Following KR C5 S/M/L	IP 54	6	KUKA smartPAD-2
 KR C5 quadcab	131	1110 x 720 x 600	AC 3 x 380 V - 3 x 480 V	Following KR C5 S/M/L	IP 54	6	KUKA smartPAD-2

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	KMP 600i-C	KMP 600W-C-U	KMP 1500i	KMP 1500P	KMP 3000i
Dimensions LxWxH	850x550x265mm	980x686x255mm	980x686x255mm	980x686x268mm	1180x820x255mm	1300x900x370mm	1900x1200x390mm
Min. turning diameter	850mm	980mm	980mm	980mm	1242mm	1505mm	Omnidirectional movement
Ground clearance	25mm	20mm	20mm	25mm	20mm	25mm	40mm
Lifting stroke	60mm	60mm	60mm	60mm	60mm	60mm	100mm
Weight	120kg	150kg	150kg	154kg	230kg	290kg	800kg
Rated load	400kg	600kg	600kg	600kg	1500kg	1500kg	3000kg
Navigation mode	Slam & QR	Slam & QR	QR	QR	Slam & QR	Slam & QR	SLAM & QR
Lifting mode	Electric	Electric	Electric	Electric	Electric	Electric	Hydraulic lifting
Display screen	●	●	-	-	●	-	●
Security protection							
Laser obstacle	Front	Front	Front	Front	Front	Front/Rear	Front/Rear
Front 3D obstacle	●	●	-	-	●	●	●
Rear 3D obstacle	●	●	-	-	●	●	●
Front point laser	-	●	-	-	●	-	●
Safety bumper	Aurround	Aurround	Aurround	Aurround	Aurround	Aurround	Aurround
E-stop button	Diagonal, 2 buttons	Around, 4 buttons	Around, 4 buttons	Diagonal, 2 buttons	Around, 4 buttons	Around, 4 buttons	Around, 4 buttons
Sound warning	●	●	●	●	●	●	●
Indicator light	Around	Around	Around	Around	Around	●	Around
Infrared laser light	-	●	-	-	●	-	-
Rack detection	●	●	●	●	●	●	-
Motion performance							
Max. driving speed (w/o load)	1.5m/s	2.3m/s	2.3m/s	2m/s	1.8m/s	1.8m/s	1.2m/s
Max. driving speed (w/ load)	1.0m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1m/s
Positioning accuracy	"±10mm,±1° (Slam) / ±5mm,±0.5° (QR)"	"±10mm,±1° (Slam) / ±5mm,±0.5° (QR)"	±5mm,±0.5°	±5mm,±0.5°	"±10mm,±1° (Slam) / ±5mm,±0.5° (QR)"	±10mm, ±1°(SLAM) ±5mm, ±0.5°(QR)	±10mm,±1° (SLAM) ±5mm,±0.5° (QR)
Climbing angle	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Ground step height	5mm	5mm	5mm	5mm	5mm	10mm	10mm
Ground ditch	35mm	35mm	35mm	35mm	35mm	35mm	35mm
Battery data							
Battery type	LFP	LFP	LFP	LFP	LFP	LFP	LFP
Battery endurance	8h	8h	8h	8h	8h	10h	8h
Battery lifecycle	>1500 full charge cycles	>1500 full charge cycles	>1500 full charge cycles	>1500 full charge cycles	>1500 full charge cycles	>2500 full charge cycles	>1500 full charge cycles
Charging time	<1.5h	<1.5h	<1.5h	<1.5h	<1.5h	< 1.5h	<2h
Charging method	Automatic / Manual Charging	Automatic / Manual Charging	Automatic / Manual Charging	Automatic / Manual Charging	Automatic / Manual Charging	Automatic / Manual Charging	Inductive/ Manual charging
Other							
IP Class	IP20	IP20	IP20	IP20	IP20	IP 54	IP20
Operating temperature	0°C~45°C	0°C~45°C	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)	≤ 65 dB(A)	≤ 75 dB(A)	≤ 75 dB(A)	≤ 75 dB(A)
Communication method	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"	"IEEE 802.11 a/b/g/n/ac, 2.4G / 5G"
5G communication	○	○	○	○	○	○	○
Certification	-	-	-	NRTL, FCC	-	CE, NRTL	-

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