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Robotics product range







Creating the flexible, collaborative and connected Factory of the Future











ABB Robotics is a pioneer in industrial and collaborative robots and advanced digital services. As one of the world's leading robotics suppliers, we are active in 53 countries and over 100 locations and have shipped over 400,000 robot solutions in a diverse range of industries and applications. We help our customers to improve flexibility, efficiency, safety and reliability, while moving towards the connected and collaborative factory of the future.

Articulated robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
	4 4	0.475 0.58	0.01	Any angle	IP40 Option: Clean Room ISO 4, IP67	6	OmniCore™	 Clicca qui
	3	0.58	0.01	Any angle	Std: IP30 Option: Clean Room ISO 5, Food Grade	6	IRC5	 Clicca qui
	5 7	0.90 0.70	0.02 0.025	Any angle	Std: IP40. Option: Foundry Plus 2, IP67, Clean Room ISO 3, Food Grade	6	IRC5	 Clicca qui
	7 10 11	1.40 1.15 0.90	0.03 0.023 0.02	Any angle	Std: IP40, Option: IP67, Foundry Plus 2	6	OmniCore™	 Clicca qui
	6	0.80	0.03	Floor, wall, inverted, tilted	Std: IP67. Option: Foundry Plus 2, Clean Room ISO 6, SteamWash	6	IRC5	 Clicca qui
	5	1.44	0.02	Floor		6	IRC5	 Clicca qui
	4	1.50	0.05	Floor, inverted	Std: IP40	6	IRC5	 Clicca qui
	6 10	1.20/1.45 1.20/ 1.45	0.02 - 0.05	Floor, wall, inverted, tilted, shelf	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Clicca qui
	4 6	1.55	0.02	Floor, wall, inverted, tilted	Std: IP40	6	IRC5	 Clicca qui
	12 20	1.55	0.03	Floor, inverted	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Clicca qui
	12/12 20	1.65/1.85 1.65	0.04	Floor, wall, inverted, titled, shelf	Std: IP67, IP54 (axis 4) Option: Foundry Plus 2	6	IRC5	 Clicca qui





Articulated robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
 IRB 2600ID	15 8	1.85 2.00	0.02 - 0.03	Floor, wall, shelf, titled, inverted	Std: IP67 for base and lower arm. IP54 for upper arm	6	IRC5	 Clicca qui
 IRB 4400 - IRB 4400L	60 10	1.96 2.55	0.06 0.05	Floor	Std: IP54 Option: IP67, Foundry Plus 2	6	IRC5	 Clicca qui
 IRB 460	110	2.40	0.20	Floor	Std: IP67	4	IRC5	 Clicca qui
 IRB 4600	20/40/ 45/60	2.5/2.55/ 2.05/2.05	0.05 - 0.06	Floor, inverted, tilted, shelf	Std: IP67 Option: Foundry Plus 2, Foundry Prime 2	6	IRC5	 Clicca qui
 IRB 660	180 250	3.15	0.05	Floor	Std: IP67	4	IRC5	 Clicca qui
 IRB 6620	150	2.20	0.05	Floor, tilted, inverted	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Clicca qui
 IRB 6650S*	90 125 200	3.90 3.50* 3.00*	0.15	Shelf	Std: IP67, Option: Foundry Plus 2. High pressure steam washable	6	IRC5	 Clicca qui
 IRB 6660	100 130 205	3.30 3.10 1.90	0.10 - 0.15	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Clicca qui
 IRB 6700*	150/155/175 200/205/235 245/300	3.20/2.85/3.05 2.60/2.80/2.65 3.00/2.70	0.05 - 0.10	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Clicca qui
 IRB 6700INV*	245 300	2.90 2.60	0.10 0.05	Inverted	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Clicca qui
 IRB 6790	205 235	2.80 2.65	0.05	Floor	Std: IP69 Option: Foundry Prime 3	6	IRC5	 Clicca qui

Articulated robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
 IRB 760	450	3.18	0.05	Floor	Std: IP67	4	IRC5	 Clicca qui
 IRB 7600	150/325/ 340/400/ 500	3.50/3.10*/ 2.80*/2.55*/ 2.55	0.10 - 0.30	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Clicca qui
 IRB 8700	550 800	4.20 3.50	0.05 - 0.10	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Clicca qui





*Available with LeanID















Cobot family	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
 IRB 14000*	0.50	0.559	0.02	Table	Std: IP30 and Clean Room ISO 5	14	Embedded IRC5	 Clicca qui
 IRB 14050**	0.50	0.559	0.02	Any angle	Std: IP30 and Clean Room ISO 5	7	OmniCore™	 Clicca qui
 CRB 15000	5	0.95	0.05	Any angle	Std: IP54	6	OmniCore C30	 Clicca qui
 CRB 1100	4	0.58 / 0.475	0.01	Any angle	Std: IP40	6	OmniCore C30	 Clicca qui

*Safety: PL b Cat B | **Estop and PStop: PL d Cat 3 Option: SafeMove2

SCARA robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
 IRB 910SC*	3 (max 6)	0.45 0.55 0.65	0.01	Table	Std: IP20	4		 Clicca qui
 IRB 910INV	1 (max 3) 3 (max 6)	0.35 0.55	0.01 0.015	Inverted	Std: IP30. Option: Clean Room ISO 5, IP54	4	OmniCore™	 Clicca qui

*IRC5

Parallel robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
	1	1.13/1.60	0.03 - 0.09	Inverted	Std: IP54/67/69K Option: Clean Room, Wash-Down, Stainless	4	IRC5	 Clicca qui
	3	1.13						
	6	1.60						
	8	1.13						
	10	1.3	0.01 - 0.08	Inverted	IP67	4	IRC5	 Clicca qui
	15							

Paint robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
	7	1.20/1.45	0.15	Floor, wall, inverted, tilted	Std: IP67, Ex	6	IRC5P	 Clicca qui
	13	2.97	0.15	Floor, wall, inverted, tilted	Std: IP67, Ex	6	IRC5P	 Clicca qui
	13	2.97	0.15	Clean-wall rail	Std: IP67, Ex	7	IRC5P	 Clicca qui
	13	2.97	0.15	Elevated, Robot: tilted, upright and inverted	Std: IP67, Ex	7	IRC5P	 Clicca qui
	13	2.97	0.15	Wall, floor, inverted	Std: IP67, Ex	7	IRC5P	 Clicca qui
	13	2.56	0.15	Floor	Std: IP67, Ex	6	IRC5P	 Clicca qui
	7	1.35	0.15	Floor, rail	Std: IP67, Ex	3/4	IRC5P	 Clicca qui

Compliant with ISO 9283.

Track Motions

 IRBT 2005 for IRB 1600, 2600, 4600  Clicca qui	 IRBT X004 for IRB 4400/6620/6700/6650S/7600  Clicca qui	 IRT 501 FlexTrack  Clicca qui
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