ABB ROBOTICS

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 500,000 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
IRB 1100	4 4	0.475 0.58	0.01	Any angle	IP40 Option: Clean Room ISO 4, IP67	6	OmniCore™	Clicca qui
IRB 120	3	0.58	0.01	Any angle	Std: IP30 Option: Clean Room ISO 5, Food Grade	6	IRC5	Clicca qui
IRB 1200	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
IRB 1300	7 10 11	1.40 1.15 0.90	0.03 0.023 0.02	Any angle	Std: IP40, Option: IP67, Foundry Plus 2 Option: ISO 4 Cleanroom	6	OmniCore™	Clicca qui
IRB 140 - IRB 140T	6	0.80	0.03	Floor, wall, inverted, tilted	Std: IP67. Option: Foundry Plus 2, Clean Room ISO 6, SteamWash	6	IRC5	Clicca qui
IRB 1410	5	1.44	0.02	Floor		6	IRC5	Clicca qui
IRB 1520ID	4	1.50	0.05	Floor, inverted	Std: IP40	6	IRC5	Clicca qui
IRB 1600	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
IRB 1660ID	4 6	1.55	0.02	Floor, wall, inverted, tilted	Std: IP40	6	IRC5	Clicca qui
IRB 2400	12 20	1.55	0.03	Floor, inverted	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	Clicca qui
IRB 2600	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
IRB 920T	6	0.45 0.55 0.65	0.01 0.02 0.02	Floor	Standard IP30	4	OmniCore™	Clicca qui

*IRC5

Parallel robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 360 FlexPicker® 	1 3 6 8	1.13/1.60 1.13 1.60 1.13	0.03 - 0.09	Inverted	Std: IP54/67/69K Option: Clean Room, Wash-Down, Stainless	4	IRC5	Clicca qui
IRB 390 FlexPacker™ 	10 15	1.3	0.01 - 0.08	Inverted	IP67	4 5	IRC5	Clicca qui

Paint robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 52 	7	1.20/1.45	0.15	Floor, wall, inverted, tilted	Std: IP67, Ex	6	IRC5P	Clicca qui
IRB 5500-22 	13	2.97	0.15	Floor, wall, inverted, tilted	Std: IP67, Ex	6	IRC5P	Clicca qui
IRB 5500-23 	13	2.97 Rail travel length: 2-15	0.15	Clean-wall rail	Std: IP67, Ex	7	IRC5P	Clicca qui
IRB 5500-25 	13	2.97 Rail travel length: 2-15	0.15	Elevated, Robot: tilted, upright and inverted	Std: IP67, Ex	7	IRC5P	Clicca qui
IRB 5500-27 	13	2.97	0.15	Wall, floor, inverted	Std: IP67, Ex	7	IRC5P	Clicca qui
IRB 5510 	13	2.56	0.15	Floor	Std: IP67, Ex	6	IRC5P	Clicca qui
IRB 5350 	7	1.35 Rail travel length: 3-10	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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