

FANUC

Robots





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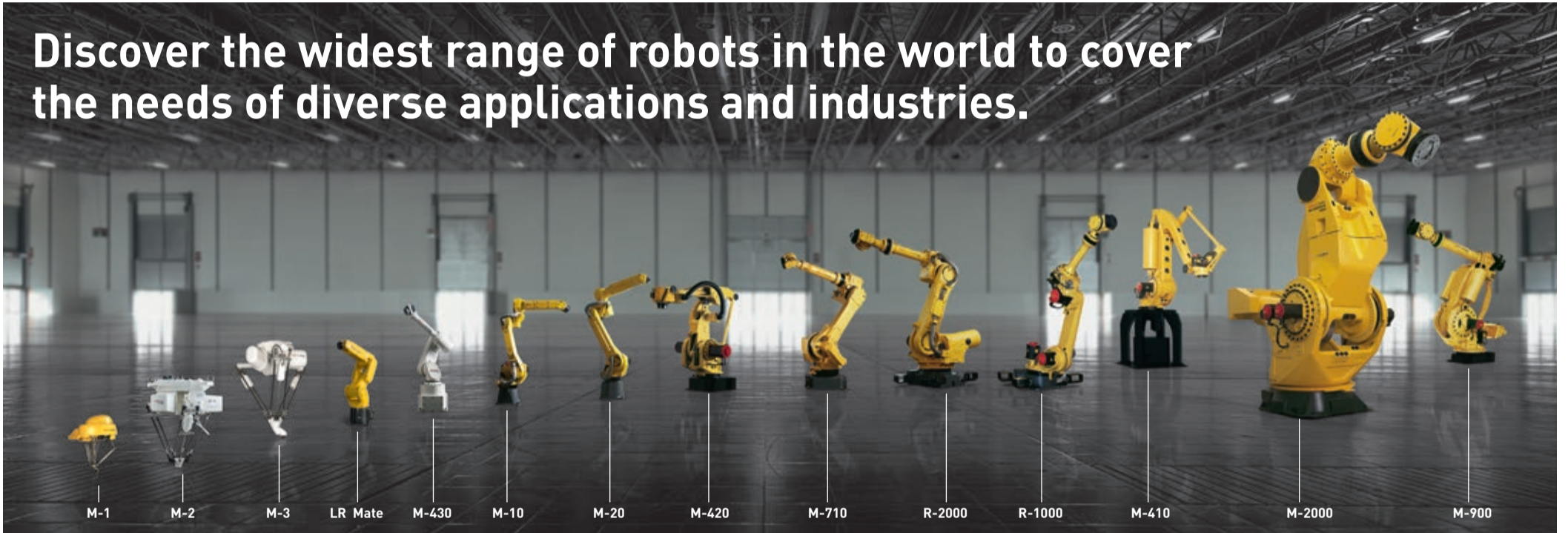
No. 1 worldwide

FANUC offers the widest range of robots in the world to cover the needs of diverse applications and industries. They are a key standard component – totally flexible with application-specific options, straight-forward integration, and the colour of choice for your automation solutions provider.

FANUC is the only company in its sector which develops and manufactures all major components in-house. Every detail, both hardware and software, is kept under control in an optimised chain. The results are superior functional reliability and the trust of satisfied customers all over the world.



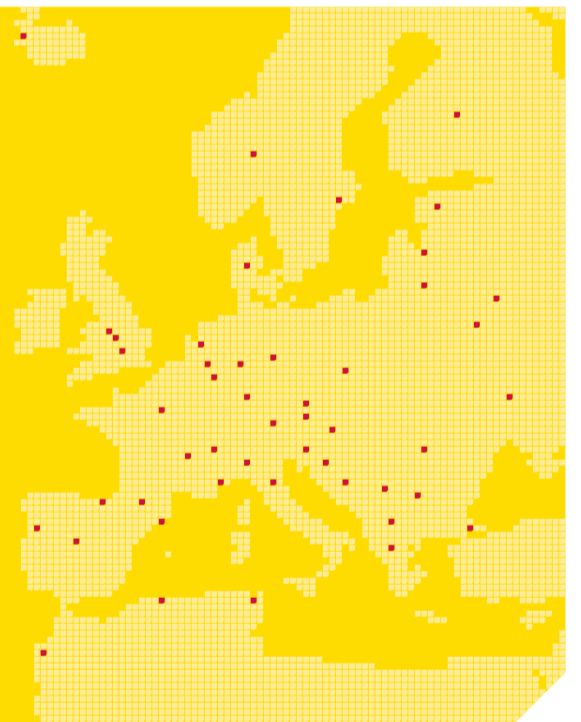
Discover the widest range of robots in the world to cover the needs of diverse applications and industries.



Wherever you need us: we are there

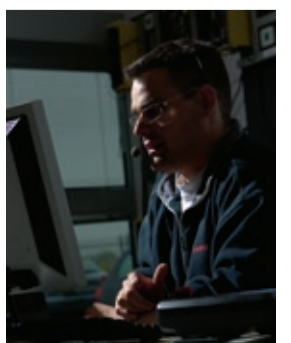
With a global network of local offices in Europe, America, Asia and Africa, we are always there to meet your needs quickly and effectively when you need us.

In Europe, a comprehensive FANUC network with 28 subsidiaries provides sales, technical, logistics and service support all over the continent. So you always have a local contact that speaks your language.



Our strength:

Intensive application support and personal customer service are major aspects of the FANUC yellow world – from the first step to the last. A highly skilled and dedicated team will help to build and operate the most efficient automation. Always flexible, always fast, always near. And with special FANUC service packages and intensive training programs you can improve the performance of your automation.



Handling capacity from 0 kg to 10 kg

M-430 Series



LR Mate Series



M-10 Series



M-20 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
2	900	6	M-430	iA	2PH	± 0.5	57	360	230	383	380	300	540	300	320	320	500	500	1700	3.5/0.032	3.5/0.032	1.5/0.005	IP67	IP67
4	900	5	M-430	iA	4FH	± 0.5	55	360	230	383	300	540	-	300	320	320	360	2000	-	3.5/0.064	0/0.01	-	IP67	IP67
5	704	6	LR Mate 200	iC		± 0.02	27	360	200	388	380	240	720	350	350	400	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP67	IP67
5	704	5	LR Mate 200	iC	5H	± 0.02	26	360	200	388	240	720	-	350	350	400	450	720	-	11.9/0.3	6.7/0.1	-	IP67	IP67
5	704	5	LR Mate 200	iC	5H high speed wrist	± 0.02	26	360	200	388	240	720	-	350	350	400	450	1200	-	11.9/0.3	4.0/0.036	-	IP67	IP67
5	704	6	LR Mate 200	iC	5C	± 0.02	27	360	200	388	380	240	720	350	350	400	450	450	720	11.9/0.3	11.0/0.3	6.7/0.1	IP67	IP67
5	704	6	LR Mate 200	iC	WP	± 0.02	27	360	200	388	380	240	720	350	350	400	450	450	720	11.9/0.3	11.0/0.3	6.7/0.1	IP67	IP67
5	711	5	LR Mate 200	iC	5F	± 0.02	26	360	200	388	240	720	-	350	350	400	450	1200	-	11.9/0.3	4.0/0.036	-	IP67	IP67
5	892	6	LR Mate 200	iC	5L	± 0.03	29	360	230	373	380	240	720	270	270	270	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP67	IP67
5	892	6	LR Mate 200	iC	5LC	± 0.03	29	360	230	373	380	240	720	270	270	270	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP67	IP67
6	1632	6	M-10	iA	6L	± 0.08	135	360	250	447	380	380	720	210	190	210	400	400	600	15.7/0.63	10.1/0.38	5.9/0.061	IP54 *1	IP67
6	1632	6	M-10	iAe	6L	± 0.08	135	360	250	447	380	380	720	210	190	210	400	400	600	15.7/0.63	10.1/0.38	5.9/0.061	IP54 *1	IP67
7	717	6	LR Mate 200	iD		± 0.02	25	360	245	420	380	250	720	450	380	520	550	1000	16.6/0.47	16.6/0.47	9.4/0.15	IP67 *2	IP67 *2	
10	1420	6	M-10	iA		± 0.08	130	360	250	444.5	380	380	720	210	190	210	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54 *1	IP67
10	1420	6	M-10	iAe		± 0.08	130	360	250	444.5	380	380	720	210	190	210	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54 *1	IP67
10	1098	6	M-10	iA	10S	± 0.05	130	360	250	340	380	380	720	220	230	270	410	410	610	22.0/0.63	22.0/0.63	9.8/0.15	IP54 *1	IP67
10	2009	6	M-20	iA	10L	± 0.08	250	370	260	460.6	400	360	900	195	175	180	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54 *1	IP67

Protection: *1 IP55 with option severe dust and liquid protections, *2 IP69K option

Handling capacity from 20 kg to 70 kg

M-20 Series



M-710 Series



M-420 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
20	1811	6	M-20	iA		± 0.08	250	370	260	458	400	360	900	195	175	180	360	360	550	44.0/1.04	44.0/1.04	22.0/0.28	IP54 *1	IP67
20	1813	6	M-20	iA	20M	± 0.08	250	370	260	458	400	280	900	195	175	180	405	405	615	45.1/2.01	45.1/2.01	30.0/1.01	IP54 *1	IP67
20	3110	6	M-710	iC	20L	± 0.15	540	360	225	432	400	280	900	175	175	180	350	360	600	39.2/0.88	39.2/0.88	19.6/0.25	IP54 *3	IP67
30	1855	4	M-420	iA	high speed wrist	± 0.5	630	360	115	100	540	-	-	180	200	200	720	-	-	68/2.5	-	-	IP54	IP54
40	1855	4	M-420	iA		± 0.5	620	360	115	100	540	-	-	180	200	200	350	-	-	98/2.5	-	-	IP54	IP54
40	1855	4	M-420	iA	secondary food	± 0.5	620	360	115	100	540	-	-	180	200	200	350	-	-	98/2.5	-	-	IP54	IP54
50	1855	2	M-421	iA		± 0.5	520	115	100	-	-	-	-	200	200	-	-	-	-	-	-	-	IP54	IP54
50	2050	6	M-710	iC	50	± 0.07	560	360	225	440	720	250	720	175	175	175	250	250	355	206/28	206/28	127/11	IP54 *3	IP67
50	2003	5	M-710	iC	50H	± 0.15	540	360	225	440	234	720	-	175	175	175	175	720	-	150/6.3	68/2.5	-	IP54	IP67
50	2050	6	M-710	iC	50E	± 0.07	560	360	225	440	720	380	720	175	175	175	250	240	340	206/28	176/10.8	98/3.3	IP54	IP67
50	1360	6	M-710	iC	50S	± 0.07	545	360	169	376	720	250	720	175	175	175	250	250	355	206/28	206/28	127/11	IP54 *3	IP67
70	2050	6	M-710	iC	70	± 0.07	560	360	225	440	720	250	720	160	120	120	225	225	225	294/28	294/28	147/11	IP54 *3	IP67

Protection: *1 IP55 with option severe dust and liquid protections, *3 IP67 with option severe dust and liquid protections

Handling capacity from 80 kg to 100 kg

R-1000 Series



R-2000 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
80	2230	6	R-1000	iA	80F	± 0.2	620	360	245	360	720	250	720	170	140	160	230	230	350	380/30	380/30	200/20	IP54 *4	IP67
100	2230	6	R-1000	iA	100F	± 0.2	665	360	245	360	720	250	720	130	110	120	170	170	250	690/57	690/57	260/32	IP54 *4	IP67
100	2655	6	R-2000	iB	100H	± 0.2	1150	360	136	362	250	720	-	130	130	130	170	360	-	441/39.2	245/15.7	-	IP54	IP67
100	3500	6	R-2000	iB	100P	± 0.3	1560	360	185	365	720	250	720	110	90	110	120	120	190	980/225.4	980/225.4	706/196	IP54	IP67

Protection: *4 IP56 with option severe dust and liquid protections

Handling capacity from 100 kg to 300 kg

R-2000 Series



M-410 Series



M-900 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
125	3005	6	R-2000	iB	125L	± 0.2	1190	360	136	352.5	720	250	720	110	110	110	170	170	260	588/58.8	588/58.8	343/22.5	IP54 *4	IP67
140	2850	5	M-410	iB	140H	± 0.2	1200	360	155	112	20	720	-	140	115	135	135	420	-	-/147	-/53	-	IP54	IP54
150	2655	6	R-2000	iB	150U	± 0.2	1070	360	136	362	720	250	720	110	85	110	150	150	220	833/78.4	833/78.4	421/40.2	IP54 *4	IP67
150	3507	6	M-900	iA	150P	± 0.3	1860	360	180	180	720	250	720	110	95	95	120	200	1666/313.6	1666/313.6	715.4/225.4	IP54 *4	IP67	
160	3143	4	M-410	iB	160	± 0.5	1940	360	144	136	540	-	-	130	130	135	300	-	-	-/78	-	-	IP54	IP54
165	2655	6	R-2000	iB	165F	± 0.2	1170	360	136	362	720	250	720	110	110	110	150	150	220	921/117.6	921/117.6	461/98	IP54 *4	IP67
165	3095	6	R-2000	iB	165R	± 0.3	1480	360	185	365	720	250	720	110	100	110	150	150	220	921/78.4	921/78.4	461/40.2	IP54 *4	IP67
170	1520	6	R-2000	iB	170CF	± 0.15	800	360	190	332	720	250	720	110	110	110	150	150	220	921/78.4	921/78.4	461/40.2	IP54 *4	IP67
175	2852	6	R-2000	iB	175L	± 0.3	1260	360	136	355.9	720	250	720	95	90	95	120	120	190	1225/225.4	1225/225.4	706/196	IP54 *4	IP67
185	3060	6	R-2000	iB	185L	± 0.3	1290	360	136	346	720	250	720	95	85	88	120	120	190	1225/225.4	1225/225.4	706/196	IP54 *4	IP67
200	3095	6	R-2000	iB	200R	± 0.3	1540	360	185	365	720	250	720	90	85	95	120	120	190	1333/141.4	1333/141.4	706/78.4	IP54 *4	IP67
200	3507	6	M-900	iA	200P	± 0.3	2670	360	180	180	720	230	720	110	95	95	95	165	2200/431.2	2200/431.2	715/392	IP54	IP67	
210	2655	6	R-2000	iB	210F	± 0.3	1240	360	136	362	720	250	720	95	90	95	120	120	190	1333/225.4	1333/225.4	706/196	IP54 *4	IP67
210	2655	6	R-2000	iB	210WE	± 0.3	1280	360	136	362	720	250	720	95	90	95	120	120	190	1333/225.4	1333/225.4	706/196	IP67	IP67
210	2605	6	R-2000	iB	210FS	± 0.3	1250	360	136	234	420	250	420	110	90	95	130	130	200	1333/141.1	1333/141.1	706/78.4	IP54	IP67
220	2443	6	R-2000	iB	220US	± 0.3	1160	360	136	234	420	250	420	110	85	95	130	130	200	1333/141.1	1333/141.1	706/78.4	IP54	IP67
250	2655	6	R-2000	iB	250F	± 0.3	1270	360	136	357	720	250	720	95	85	88	120	120	190	1382/225.4	1382/225.4	715/225.4	IP54 *4	IP67
260	3100	6	M-900	iA	260L	± 0.3	1800	360	150	211.28	720	250	720	100	105	95	120	120	200	1666/313.6	1666/313.6	715.4/225.4	IP54 *4	IP67
300	3143	4	M-410	iB	300	± 0.5	1940	360	144	136	540	-	-	85	90	100	190	-	-	-/137	-	-	IP54	IP54

Protection: *4 IP56 with option severe dust and liquid protections

Handling capacity from 300 kg to 1.350 kg

M-900 Series



M-410 Series



M-2000 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
350	2650	6	M-900	iA	350	± 0.3	1720	360	150	223.4	720	250	720	100	95	95	105	105	170	1960/392	1960/392	891.8/352.8	IP54 **	IP67
400	3625	6	M-900	iA	400L	± 0.5	3150	360	154	160	720	244	720	80	80	80	100	100	160	2744/510	2744/510	1725/320	IP54 **	IP67
450	3130	4	M-410	iB	450	± 0.5	2430	360	145	135	540	-	-	70	70	70	180	-	-	-196	-	-	IP54	IP54
700	3143	4	M-410	iB	700	± 0.5	2700	360	144	136	540	-	-	60	60	60	120	-	-	-1490	-	-	IP54	IP54
700	2830	6	M-900	iB	700	± 0.3	2800	360	154	160	720	244	720	80	80	80	100	100	160	3400/1098	3400/1098	1725/444	IP54 **	IP67
900	4683	6	M-2000	iA	900L	± 0.5	9600	330	160	165	720	240	720	45	30	30	50	50	70	14700/2989	14700/2989	4900/2195	IP54 **	IP67
1200	3734	6	M-2000	iA	1200	± 0.3	8600	330	160	165	720	240	720	45	30	30	50	50	70	14700/2989	14700/2989	4900/2195	IP54 **	IP67

Protection: ** IP54 with option severe dust and liquid protections

Arc Welding Robots

Arc Mate 0 Series



Arc Mate 50 Series



Arc Mate 100 Series



Arc Mate 120 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
3	1437	6	Arc Mate 0	iA		± 0.08	110	360	250	455	380	280	720	225	215	225	425	425	625	8.9/0.28	8.9/0.28	3.0/0.035	IP54	IP54
5	704	6	Arc Mate 50	iC		± 0.02	27	360	200	388	380	240	720	350	350	400	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP54	IP54
5	892	6	Arc Mate 50	iC	5L	± 0.03	29	360	230	373	380	240	720	270	270	270	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP54	IP54
6	1632	6	Arc Mate 100	iC	6L	± 0.08	135	360	250	447	380	380	720	210	190	210	400	400	600	15.7/0.63	10.1/0.38	5.9/0.061	IP54	IP54
6	1632	6	Arc Mate 100	iCe	6L	± 0.08	135	360	250	447	380	380	720	210	190	210	400	400	600	15.7/0.63	10.1/0.38	5.9/0.061	IP54	IP54
10	1420	6	Arc Mate 100	iC		± 0.08	130	360	250	444.5	380	380	720	210	190	210	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54	IP54
10	1420	6	Arc Mate 100	iCe		± 0.08	130	360	250	444.5	380	380	720	210	190	210	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54	IP54
10	1098	6	Arc Mate 100	iC	10S	± 0.05	130	360	250	340	380	380	720	220	230	270	410	410	610	22.0/0.63	22.0/0.63	9.8/0.15	IP54	IP54
10	2009	6	Arc Mate 120	iC	10L	± 0.08	250	370	260	460.6	400	360	900	195	175	180	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54	IP54
20	1811	6	Arc Mate 120	iC		± 0.08	250	370	260	458	400	360	900	195	175	180	360	360	550	44.0/1.04	44.0/1.04	22.0/0.28	IP54	IP54

Delta Robots

M-1 Series



M-2 Series



M-3 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
0.5	280	4	M-1	iA	0.5S	± 0.02	20	ø = 280 mm, height: 100 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s						refer to wrist load diagram			IP20	IP20
0.5	280	6	M-1	iA	0.5A	± 0.02	23	ø = 280 mm, height: 100 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s									IP20	IP20
3	800	4	M-2	iA	3S	± 0.1	120	ø = 800 mm, height: 300 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s									IP69K	IP69K
3	1130	4	M-2	iA	3SL	± 0.1	120	ø = 1130 mm, height: 400 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s									IP69K	IP69K
6	1350	4	M-3	iA	6S	± 0.1	160	ø = 1350 mm, height: 500 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s									IP67	IP67
6	1350	6	M-3	iA	6A	± 0.1	175	ø = 1350 mm, height: 500 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s									IP67	IP67
12	1350	3	M-3	iA	12H	± 0.1	155	ø = 1350 mm, height: 500 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s									IP67	IP67

Fixture Robots

F-100 Series



F-200 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection			
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm		
100	1040	6	F-200	iB		± 0.1	190	431 mm						horizontal speed: 1500mm/s, vertical speed: 300mm/s						588/0.36	588/0.36	588/0.36	IP54	IP54		
158	770	4	F-100	iA	104	± 0.07	111	250 mm	380	250 mm	720	N/A	-	200 mm/s		85 mm/s		70	N/A	-	203	-	-	IP54	IP54	
158	1020	4	F-100	iA	104L	± 0.07	130	500 mm	380	250 mm	720	N/A	-					55	70	N/A	-	203	-	-	IP54	IP54
158	910	5	F-100	iA	105	± 0.07	120	250 mm	380	250 mm	370	180	-					55	70	25	-	203	-	-	IP54	IP54
158	1160	5	F-100	iA	105L	± 0.07	139	500 mm	380	250 mm	370	180	-					55	70	25	-	203	-	-	IP54	IP54
158	930	5	F-100	iA	105S	± 0.07	121	250 mm	380	250 mm	720	720	-					55	70	49	-	260	-	-	IP54	IP54
158	1180	5	F-100	iA	105LS	± 0.07	140	500 mm	380	250 mm	720	720	-					55	70	49	-	260	-	-	IP54	IP54

Paint Robots

Paint Mate 200 Series



P-50 Series



P-250 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
5	704	6	Paint Mate 200	iA		± 0.02	35	340	200	388	380	240	720	350	350	400	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP67 *5	IP67 *5
5	892	6	Paint Mate 200	iA	5L	± 0.03	37	340	230	373	380	240	720	270	270	270	450	450	720	11.9/0.3	11.9/0.3	6.7/0.1	IP67 *5	IP67 *5
10	1800	6	P-50	iB	10L	± 0.2	331	320	240	404	1080	1080	1080	140	140	160	375	430	545	43.35/1.95	36.86/1.41	4.90/0.025	IP67 *5	IP67 *5
15	1400	6	P-50	iB	15	± 0.2	323	320	240	404	1080	1080	1080	140	140	160	375	430	545	65.02/2.93	55.29/2.12	7.36/0.038	IP67 *5	IP67 *5
15	2800	6	P-250	iB	15	± 0.2	530	320	280	330	1080	1080	1080	160	160	160	375	430	545	15 kg	0	0	IP67 *5	IP67 *5

Protection: *5 ATEX certified

Top Mount Robots

M-20 Arc Mate 120 Series



M-710 Series



R-2000 Series



Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Robot			Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment (Nm)/ Inertia (kgm ²)	J5 Moment (Nm)/ Inertia (kgm ²)	J6 Moment (Nm)/ Inertia (kgm ²)	Protection	
			series	version	type			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
20	1662	6	M-20	iA	20T	± 0.08	185	depending on rail specification	300	586	400	360	900	depending on rail specification	175	180	360	360	550	44/1.04	44/1.04	22/0.28	IP54 *4	IP67
50	1900	6	M-710	iC	50T	± 0.07	410	261	491	720	250	720	175	175	250	250	355	206/28	206/28	127/11	IP54 *3	IP67		
70	1900	6	M-710	iC	70T	± 0.07	410	261	491	720	250	720	120	120	225	225	225	294/28	294/28	147/11	IP54 *3	IP67		
200	2207	6	R-2000	iB	200T	± 0.3	1100	245	406	720	250	720	70	90	110	110	155	1274/117.6	1274/117.6	686/58.8	IP54 *4	IP67		

Protection: *3 IP67 with option severe dust and liquid protections *4 IP54 with option severe dust and liquid protections

Controller 30iB

The FANUC 30iB controller is the new standard for smarter productivity. A new generation of advanced technology and enhanced integrated FANUC hard- and more than 250 software functions are key for the robot performance in terms of cycle-time, speed, accuracy and safety. Increased user-friendliness, minimum energy consumption and highest productivity maximise the overall functionality, reliability and operability.

In order to provide a flexible and a cost effective solution the 30iB comes in different cabinet variants. Compact and stackable to optimise your floor space and production cell lay-out.

Open Air cabinet

Mate cabinet

B-cabinet

A-cabinet



iPendant Touch

The lightweight and ergonomically designed *iPendant Touch* with its intuitive graphic user interface provides user-friendly programming for both programmers and on-site operators.

- customisable screen function for creating user defined HTML screens
- *i*-Key for quick help
- multi-window display
- jog keys for fast access to external axes without going through menus
- USB connection



Simple operation using 4D graphic function. 3D graphics model plus visualised internal process information (1D).



Accessories



Line tracking

FANUC integrated line tracking allows the robot to move exactly at the same speed as the conveyor by using an encoder.



Positioners

A wide range of FANUC integrated positioners – the ideal solution for coordinated motion and manipulating work pieces.



Force Sensors

Integrated FANUC force sensor provides highly sensitive force control for deburring, polishing and many other applications.



iRVision

Unique fully integrated FANUC "plug & play" visual line detection system for improved flexibility and cost saving picking of random stationary products.

iRVisual line tracking

Combination of integrated FANUC iRVision with line tracking, for higher flexibility when picking random products on a moving conveyor

External axis

Fully integrated standardised and comprehensive external axis packages – up to 82 axes, for easy usage in external axis solutions (robot rail unit, custom-made manipulator, ...)

Software

Application software

With dedicated instructions, interfaces, screens and exclusive features FANUC application software tools simplify and standardize the programming, setup and operation of your robot. Depending on the application, the FANUC 30iB controller will be supplied with one of the following application tools.

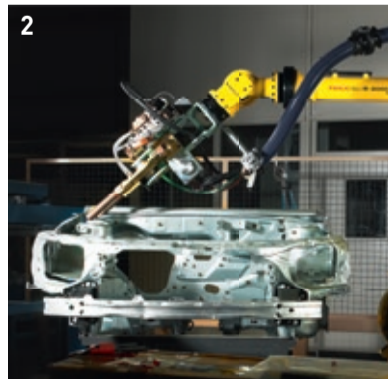
On top, more than 250 software functions are available for additional functionality.

Simulation software

FANUC Roboguide is an outstanding offline programming, simulation, training and optimization software by using the FANUC virtual robot technology. A real robot on your PC!

Preparing robot programs in advance, minimizing risks, increasing productivity without production stops boosts your profitability. Roboguide accomplishes a realistic result using real robot programs identical to those in production.

- 1 Handling Tool
- 2 Spot Tool+
- 3 Arc Tool
- 4 Dispense Tool
- 5 Paint Tool



Robot overview

Robot			Controller		Max. load capacity at wrist (kg)	Reach (mm)	controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment (Nm)/Inertia (kgm ²)	J5 Moment (Nm)/Inertia (kgm ²)	J6 Moment (Nm)/Inertia (kgm ²)	Protection	
series	version	type	Controller version	Cabinet type						J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				Body	Wrist & J3 arm
M-Series																										
M-10	iA		30iB	A-cabinet	10	1420	6	± 0.08	130	360	250	444.5	380	380	720	210	190	210	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54*1	IP67
	iA	10S	30iB	A-cabinet	10	1098	6	± 0.05	130	360	250	340	380	380	720	220	230	270	410	410	610	22.0/0.63	22.0/0.63	9.8/0.15	IP54*1	IP67
	iA	6L	30iB	A-cabinet	6	1632	6	± 0.08	135	360	250	447	380	380	720	210	190	210	400	400	600	15.7/0.63	10.1/0.38	5.9/0.061	IP54*1	IP67
	iAe	6L	30iA	Mate	10	1420	6	± 0.08	130	360	250	444.5	380	380	720	210	190	210	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54*1	IP67
M-20	iA		30iB	A-cabinet	20	1811	6	± 0.08	250	370	260	458	400	360	900	195	175	180	360	360	550	44.0/1.04	44.0/1.04	22.0/0.28	IP54*1	IP67
	iA	10L	30iB	A-cabinet	10	2009	6	± 0.08	250	370	260	460.6	400	360	900	195	175	180	400	400	600	22.0/0.63	22.0/0.63	9.8/0.15	IP54*1	IP67
	iA	20M	30iB	A-cabinet	20	1813	6	± 0.08	250	370	260	458	400	280	900	195	175	180	405	405	615	45.1/2.01	45.1/2.01	30.0/1.01	IP54*1	IP67
M-410	iB	140H	30iB	A-cabinet	140	2850	5	± 0.2	1200	360	155	112	20	720	-	140	115	135	135	420	-	-1/47	-/53	-	IP54	IP54
	iB	160	30iB	A-cabinet	160	3143	4	± 0.5	1940	360	144	136	540	-	-	130	130	135	300	-	-	-/78	-	-	IP54	IP54
	iB	300	30iB	A-cabinet	300	3143	4	± 0.5	1940	360	144	136	540	-	-	85	90	100	190	-	-	-1/37	-	-	IP54	IP54
	iB	450	30iB	A-cabinet	450	3130	4	± 0.5	2430	360	145	135	540	-	-	70	70	70	180	-	-	-1/96	-	-	IP54	IP54
	iB	700	30iB	A-cabinet	700	3143	4	± 0.5	2700	360	144	136	540	-	-	60	60	60	120	-	-	-/490	-	-	IP54	IP54
M-420	iA		30iB	A-cabinet	40	1855	4	± 0.5	620	360	115	100	540	-	-	180	200	200	350	-	-	98/2.5	-	-	IP54	IP54
	iA	high speed wrist secondary food	30iA	B-cabinet	30	1855	4	± 0.5	630	360	115	100	540	-	-	180	200	200	720	-	-	68/2.5	-	-	IP54	IP54
M-421	iA		30iB	A-cabinet	40	1855	4	± 0.5	620	360	115	100	540	-	-	180	200	200	350	-	-	98/2.5	-	-	IP54	IP54
M-430	iA	2PH	30iB	A-cabinet	2	900	6	± 0.5	57	360	230	383	380	300	540	300	320	320	500	500	1700	3.5/0.032	3.5/0.032	1.5/0.005	IP67	IP67
	iA	4FH	30iB	A-cabinet	4	900	5	± 0.5	55	360	230	383	300	540	-	300	320	320	360	2000	-	3.5/0.064	0/0.01	-	IP67	IP67
M-710	iC	50	30iB	A-cabinet	50	2050	6	± 0.07	560	360	225	440	720	250	720	175	175	175	250	250	355	206/28	206/28	127/11	IP54*3	IP67
	iC	20L	30iB	A-cabinet	20	3110	6	± 0.15	540	360	225	432	400	280	900	175	175	180	350	360	600	39.2/0.88	39.2/0.88	19.6/0.25	IP54*3	IP67
	iC	50E	30iB	A-cabinet	50	2050	6	± 0.07	560	360	225	440	720	380	720	175	175	175	250	240	340	206/28	176/10.8	98/3.3	IP54	IP67
	iC	50H	30iB	A-cabinet	50	2003	5	± 0.15	540	360	225	440	234	720	-	175	175	175	175	240	-	150/6.3	68/2.5	0	IP54	IP67
	iC	50S	30iB	A-cabinet	50	1360	6	± 0.07	545	360	169	376	720	250	720	175	175	175	250	250	355	206/28	206/28	127/11	IP54*3	IP67
M-900	iA	150P	30iB	A-cabinet	150	3507	6	± 0.3	1860	360	180	180	720	250	720	110	95	95	120	120	200	1666/313.6	1666/313.6	715.4/225.4	IP54*4	IP67
	iA	200P	30iB	B-cabinet	200	3507	6	± 0.3	2670	360	180	180	720	230	720	110	95	95	95	165	2200/431.2	2200/431.2	715/392	IP54	IP67	
	iA	260L	30iB	A-cabinet	260	3100	6	± 0.3	1800	360	150	211.28	720	250	720	100	105	95	120	200	1666/313.6	1666/313.6	715.4/225.4	IP54*4	IP67	
	iA	350	30iB	A-cabinet	350	2650	6	± 0.3	1720	360	150	223.4	720	250	720	100	95	95	105	105	170	1960/392	1960/392	891.8/352.8	IP54*4	IP67
	iA	400L	30iB	B-cabinet	400	3625	6	± 0.5	3150	360	154	160	720	244	720	80	80	80	100	100	160	2744/510	2744/510	1725/320	IP54*4	IP67
M-2000	iB	700	30iB	B-cabinet	700	2830	6	± 0.3	2800	360	154	160	720	244	720	80	80	80	100	100	160	3400/1098	3400/1098	1725/444	IP54*4	IP67
	iA	900L	30iB	A-cabinet	900	4683	6	± 0.5	9600	330	160	165	720	240	720	45	30	30	50	50	70	14700/2989	14700/2989	4900/2195	IP54*4	IP67
	iA	1200	30iB	A-cabinet	1200	3734	6	± 0.3	8600	330	160	165	720	240	720	45	30	30	50	50	70	14700/2989	14700/2989	4900/2195	IP54*4	IP67

R-Series																										
R-1000	iA	80F	30iB	A-cabinet	80	2230	6	± 0.2	620	360	245	360	720	250	720	170	140	160	230	230	350	380/30	380/30	200/20	IP54*4	IP67
	iA	100F	30iB	A-cabinet	100	2230	6	± 0.2	665	360	245	360	720	250	720	130	110	120	170	170	250	690/57	690/57	260/32	IP54*4	IP67
R-2000	iB	100H	30iB	A-cabinet	100	2655	6	± 0.2	1150	360	136	362	250	720	-	130	130	130	170	360	-	441/39.2	245/15.7	-	IP54	IP67
	iB	100P	30iB	A-cabinet	100	3500	6	± 0.3	1560	360	185	365	720	250	720	110	90	110	120	120	190	980/225.4	980/225.4	706/196	IP54	IP67
	iB	125L	30iB	A-cabinet	125	3005	6	± 0.2	1190	360	136	352.5	720	250	720	110	110	110	170	170	260	588/58.8	588/58.8	343/22.5	IP54*4	IP67
	iB	150U	30iB	A-cabinet	150	2655	6	± 0.2	1070	360	136	362	720	250	720	110	85	110	150	150	220	833/78.4	833/78.4	421/40.2	IP54*4	IP67
	iB	165F	30iB	A-cabinet	165	2655	6	± 0.2	1170	360	136	362	720	250	720	110	110	110	150	150	220	921/117.6	921/117.6	461/98	IP54*4	IP67
	iB	165R	30iB	A-cabinet	165	3095	6	± 0.3	1480	360	185	365	720	250	720	110	100	110	150	150	220	921/78.4	921/78.4	461/40.2	IP54*4	IP67
	iB	170CF	30iB	A-cabinet	170	1520	6	± 0.15	800	360	190	332	720	250	720	110	110	110	150	150	220	921/78.4	921/78.4	461/40.2	IP54*4	IP67
	iB	175L	30iB	A-cabinet	175	2852	6	± 0.3	1260	360	136	355.9	720	250	720	95	90	95	120	120	190	1225/225.4	1225/225.4	706/196	IP54*4	IP67
	iB	185L	30iB	A-cabinet	185	3060	6	± 0.3	1290	360	136	346	720	250	720	95	85	88	120	120	190	1225/225.4	1225/225.4	706/196	IP54*4	IP67
	iB	200R	30iB	A-cabinet	200	3095	6	± 0.3	1540	360	185	365	720	250	720	90	85	88	120	120	190	1333/141.4	1333/141.4	706/78.4	IP54*4	IP67
	iB	210F	30iB	A-cabinet	210	2655	6	± 0.3	1240	360	136	362	720	250	720	95	90	95	120	120	190	1333/225.4	1333/225.4	706/196	IP54*4	IP67
	iB	210WE	30iB	A-cabinet	210	2655	6	± 0.3	1280	360	136	362	720	250	720	95	90	95	120	120	190	1333/225.4	1333/225.4	706/196	IP67	IP67
	iB	210FS	30iB	A-cabinet	210	2605	6	± 0.3	1250	360	136	234	420	250	420	110	90	95	130	130	200	1333/141.1	1333/141.1	706/78.4	IP54	IP67
	iB	220US	30iB	A-cabinet	220	2443	6	± 0.3	1160	360	136	234	420	250	420	110	85	95	130	130	200	1333/141.1	1333/141.1	706/78.4	IP54	IP67
	iB	250F	30iB	A-cabinet	250	2655	6	± 0.3	1270	360	136	357	720	250	720	95	85	88	120	120						

**Push
the
button**



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