FANUC HAS OVER 230 LOCATIONS THROUGHOUT THE WORLD TO OFFER FULL SUPPORT FOR OUR CUSTOMERS

Service First

With over 3 million CNCs, robots, and factory automation systems installed, FANUC is the global leader in automation for manufacturing. Our proven expertise and innovative technologies help companies around the world overcome production challenges to improve quality, increase throughput, and maximize profits.

FANUC AMERICA CORPORATION

HEADQUARTERS: 3900 W. HAMLIN ROAD • ROCHESTER HILLS, MI 48309

888-FANUC-US • WWW.FANUCAMERICA.COM

one innovation fa·robot·robomachine FANUC

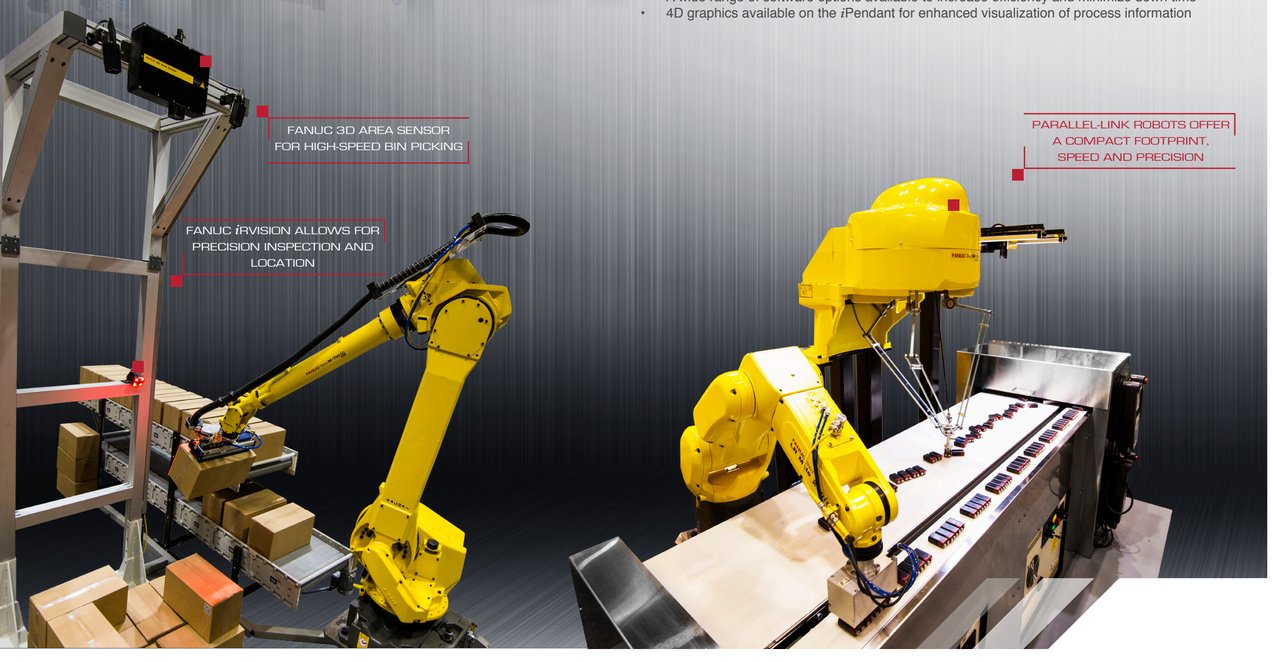
FANUC Robot Line Up

THE **POWER** OF INTEGRATED **AUTOMATION**

R-30*i*B CONTROLLER PLATFORM - THE MOST VERSATILE ROBOT CONTROLLER IN THE INDUSTRY

The R-30*i*B controller features multiple hardware and software configurations designed to increase efficiency and deliver unparalleled performance.

- Four configurations available from a small open air rackable option to the standard cabinet with a stackable design
- Built-in hardware for easy machine vision set up and operation
- A wide range of software options available to increase efficiency and minimize down time
- 4D graphics available on the *i*Pendant for enhanced visualization of process information



The *i*Pendant offers many features to streamline programming, safety and error recovery.

- Advanced 4D graphics provides an intuitive graphical view of the robot and work cell along with operational aides, and invisible process parameters, safety and interference zones
- Configurable haptic feedback notifies user when attention is required
- Easily customized screens for greater flexibility and ease-of-use
- Touch screen interface for easy operation

FANUC OFFERS A WIDE RANGE OF ROBOT MODELS TO ACCOMMODATE VIRTUALLY ANY MANUFACTURING APPLICATION FROM HIGH-SPEED COMPACT ROBOTS TO LARGE HEAVY LIFTERS.

Model	M-1*i*A						M-2*i*A						M-3*i*A			ARC Mate 50*i*D • LR Mate 200*i*D						ARC Mate 0*i*B	ARC Mate 100*i*C • M-10*i*A						ARC Mate 120*i*C • M-20*i*A				M-710*i*C							R-1000*i*A			Toploaders					
Sub Model (if available)	0.5A	0.5S	1H	0.5AL	0.5SL	1HL	3A	3S	6H	3AL	3SL	6HL	6A	6S	12H	7 • 7C	7WP	7H	7L • 7LC	4S • 4SC	4SH		12S	12	7L	8L	10M	10MS	20	12L	20M	35M	12L	20L	45M	50H	50S	50	70	80H	80F	100F	M-20*i*A/20T	M-20*i*A/20MT	M-20*i*A/35MT	M-710*i*C/50T	M-710*i*C/70T	R-2000*i*B/200T
Axes	6	4	3	6	4	3	6	4	3	6	4	3	6	4	3	6	6	5	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6
Payload (kg)	.5	.5	1	.5	.5	1	3	3	6	3		6	6	6	12	7	7	7	7	4	4	4	12	12	7	8	10	10	20	12	20	35	12	20	45	50	50	50	70	80	80	100	20	20	35	50	70	200
Reach (mm)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	717	717	717	911	550	550	1437	1098	1420	1632	2028	1422	1101	1811	2009	1813	1813	3123	3110	2606	2003	1359	2050	2050	2230	2230	2230	1662	1663	1663	1900	1900	2207
Motion Range (in degrees) J1	280mm x 100mm			420mm x 150mm			800mm x 300mm			1,130mm x 400mm			1,350mm x 500mm			340 (360 option)						240	340 (360 option)			340*	340 (360 option)		370	370	370	370	360	360	360	360	360	360	360	360	360	360	up to 29000mm			up to 46200mm		
J2																245	245	245	245	230	230	250	250	250	250	255	250	250	260	260	260	260	225	225	225	225	169	225	225	245	245	245	300	240	240	261	261	245
J3																420	420	420	430	402	402	455	340	447	447	462	445	341	458	460	460	460	434	432	440	440	376	440	440	215	360	360	586	357.5	357.5	491	491	406
J4	720	720	---	720	720	---	720	720	---	720	720	---	720	720	---	380	380	250	380	360	240	380	380	380	380	400	380	380	400	400	400	400	400	400	800	234	720	720	720	20	720	720	400	400	400	720	720	407
J5	300	---	---	300	---	---	300	---	---	300	---	---	300	---	---	250	250	720	250	240	720	280	380	380	380	360	280	280	360	360	280	280	380	280	250	720	250	250	250	720	250	250	360	280	280	250	250	250
J6	720	---	---	720	---	---	720	---	---	720	---	---	720	---	---	720	720	---	720	720	---	720	720	720	720	900	720	720	900	900	900	900	720	900	800	---	720	720	720	---	720	720	900	900	900	720	720	720
Max. Speed (°/sec) J1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	450	450	450	370	460	460	225	260	230	230	200	225	290	195	200	195	180	180	175	180	175	175	175	160	185	170	130	3300*	3300*	3300*	3000*	3000*	3000*
J2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	380	380	380	310	460	460	215	280	225	225	200	205	280	175	175	175	180	180	175	180	175	175	175	120	180	140	110	175	175	180	175	120	70
J3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	520	520	520	410	520	520	225	315	230	230	210	225	315	180	190	180	200	180	180	180	175	175	175	120	180	160	120	180	180	200	175	120	90
J4	1440	3000	---	1440	3000	---	1700	3500	---	1700	3500	---	2000	4000	---	550	550	545	550	560	560	425	430	430	430	430	420	420	360	430	405	350	400	350	250	175	250	250	225	180	230	170	360	405	350	250	225	110
J5	1440	---	---	1440	---	---	1700	---	---	1700	---	---	2000	---	---	545	545	1500	545	560	1500	425	430	430	430	430	420	420	360	430	405	350	430	360	250	720	250	250	225	500	230	170	360	405	350	250	225	110
J6	1440	---	---	1440	---	---	1700	---	---	1700	---	---	2000	---	---	1000	1000	---	1000	900	---	720	630	630	630	630	700	720	550	630	615	400	630	600	360	---	355	355	225	---	350	250	550	615	400	355	225	70
Weight (kg)	17	14	12	20	17	15	140	130	125	140	130	125	175	160	155	25	25	24	27	20	19	130	130	130	135	150	130	130	250	250	250	252	540	540	570	540	545	560	560	610	620	665	185	185	185	410	410	1080
Mounting Options Floor	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
Angle	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
Invert	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
Applications Arc Welding																			■			■	■	■	■	■			■	■			■										■					
Spot Welding																																								■	■							■
Picking	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■																												
Packing	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
Palletizing																																			■					■								
Load/Transfer			■			■			■			■			■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Assembly	■						■			■			■			■	■	■	■	■	■		■	■	■	■	■	■		■	■						■	■	■		■	■	■	■	■	■	■	■	■
Material Removal							■			■			■			■	■		■	■	■		■	■	■	■	■	■		■	■	■	■			■	■	■	■	■		■	■	■	■	■	■	■	■
Dispensing													■			■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■															
Paint																																																
Fixturing																																																
Notes*																7C: clean-room	wash proof		7LC: clean-room	4SC: clean-room			hollow wrist	hollow wrist	hollow wrist	hollow wrist			hollow wrist	hollow wrist			hollow wrist										mm/sec* hollow wrist	mm/sec*	mm/sec*	mm/sec*	mm/sec*	mm/sec*

Model	R-2000*i*C					R-2000*i*B										M-900*i*B					M-900*i*A		M-2000*i*A				M-410*i*C		M-410*i*B			M-430*i*A			F-100*i*A/106	F-200*i*B	CR-35*i*A	Paint Mate 200*i*A		P-50*i*B	P-250*i*B		P-500*i*A	P-700*i*A	P-1000*i*A
Sub Model (if available)	125L	165F	165R	210F	210R	100H	100P	150U	170CF	175L	185L	210FS	210WE	220U	220US	250F	280	280L	360	400L	700	150P	200P	900L	1200	1700L	2300	185	315	140H	450	700	2P	2PH	4FH				200*i*A	200*i*A/5L	15 10L	15 15/P	P-350*i*A			
Axes	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4	5	4	4	6	6	5	6	6	6	6	6	6	6	6	5	7	7
Payload (kg)	125	165	165	210	210	100	100	150	210	175	185	210	210	220	220	250	280	280	360	400	700	150	200	900	1200*	1700	2300	185	315	140	450	700	2	2	4	97	100	35	5	5	15/10	15	45	15	15	15
Reach (mm)	3100	2655	3095	2655	3095	2655	3500	2655	1520	2852	3060	2605	2655	2470	2443	2655	2655	3103	2655	3704	2832	3507	3507	4683	3734	4683	3734	3143	3143	2850	3130	3143	700	900	900	---	---	1813	704	892	1400	2800	2606	2750	2632	2848
Motion Range (in degrees) J1	370	370	370	370	370	360	360	360	360	360	360	360	360	360	360	360	370	370	370	360	360	360	360	330	330	330	330	360	360	360	360	360	360	360	360	+225/ -25*	---	340	340	340	320	320	360	7875*	178	220
J2	136	136	200	136	200	136	185	136	190	136	136	136	136	136	136	136	151	151	151	154	154	180	180	160	160	160	160	144	144	155	145	144	230	230	230	+/ -190	---	165	200	230	240	280	225	147	200	150
J3	301	312	375	312	375	362	365	362	332	356	356.1	234	362	362	234	357	223.7	224	224	160	160	180	180	165	165	165	165	136	136	112	135	136	400	383	383	+245/ -25*	---	312	388	373	404	330	440	180	375	240
J4	720	720	720	720	720	250	720	720	720	720	720	420	720	720	420	720	720	720	720	720	720	720	720	720	720	720	720	720	720	20	540	540	380	380	300	+/ -360	---	400	380	380	1080	1080	800	540	800	160
J5	250	250	250	250	250	720	250	250	250	250	250	250	250	250	250	250	250	250	250	244	244	250	230	240	240	240	240	---	---	720	---	---	300	300	540	+35/ -215*	---	220	240	240	1080	1080	250	240	800	800
J6	720	720	720	720	720	---	720	720	720	720	720	420	720	720	420	720	720	720	720	720	720	720	720	720	720	720	720	---	---	---	---	---	540	540	---	+/ -360	---	900	720	720	1080	1080	800	---	800	800
Max. Speed (°/sec) J1	130	130	115	120	105	130	110	110	110	95	95	110	95	95	110	95	110	110	110	80	80	110	110	45	45	20	20	140	90	140	70	60	300	300	300	---	Vertical - 300 Horizontal - 1500	250	350	270	140	160	180	1500**	100	125
J2	115	115	110	105	100	130	90	85	110	90	85	90	90	85	85	85	105	105	105	80	80	95	95	30	30	14	14	140	100	115	70	60	300	320	320	---		250	350	270	140	160	180	125	120	125
J3	125	125	125	110	110	130	110	110	110	95	88	95	95	95	95	88	100	100	100	80	80	95	95	30	30	14	14	140	110	135	70	60	340	320	320	---		250	400	270	160	160	180	125	120	120
J4	180	180	180	140	140	170	120	150	150	120	120	130	120	120	130	120	110	125	110	100	100	120	95	50	50	18	18	305	195	135	180	120	300	500	360	---		250	450	450	375	375	250	400	200	120
J5	180	180	180	140	140	360	120	150	150	120	120	130	120	120	130	120	110	125	110	100	100	120	95	50	50	18	18	---	---	420	---	---	300	500	2000	30		250	450	450	430	430	250	400	200	200
J6	260	260	260	220	220	---	190	220	220	190	190	200	190	190	200	190	180	205	180	160	160	200	165	70	70	40	40	---	---	---	---	---	720	1700	---	50		250	720	720	545	545	360	---	200	200
Weight (kg)	1115	1090	1370	1090	1370	1150	1560	1070	800	1260	1290	1250	1280	1150	1160	1270	1700	1600	1540	3150	2800	1860	2670	9600	8600	12500	11500	1330	1330	1200	2430	2700	45	57	55	143	190	990	35	37	356	530	590	450	545	442
Mounting Options Floor	■	■		■		■			■	■	■	■	■			■	■	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
Angle										■	■	■					■	■	■															■	■	■	■			■	■	■	■	■				
Invert								■	■					■	■		■	■	■															■	■	■		■		■	■	■	■				
Applications Arc Welding																																															
Spot Welding		■		■				■		■		■		■	■	■	■	■	■	■	■																■									
Picking																																	■	■	■												
Packing						■	■	■		■		■		■	■	■																	■	■	■											
Palletizing						■	■	■		■		■		■	■	■	■	■	■	■	■	■	■	■	■	■	■											■							
Loading/Transfer	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■								
Assembly	■	■	■	■	■			■	■	■	■	■		■	■	■	■	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■			■	■								
Material Removal	■	■	■	■	■			■	■	■	■	■		■	■	■	■	■	■	■	■			■	■	■	■										■	■								
Dispensing	■	■	■	■	■			■	■	■	■	■		■	■	■																					■	■	■	■	■	■	■	■	■	
Paint																																							■	■	■	■	■	■	■	■	
Fixturing																	■	■	■	■	■			■	■	■	■									linear axis in mm*	■									
Notes*			rack mount		rack mount		rack mount					hollow wrist	wash proof		hollow wrist							rack mount	rack mount		1350 kg option*																			mm* mm/sec**		

ROBOT SPECS
THE POWER OF INTEGRATED AUTOMATION