







Robot i series

Cost Savings through Intelligent Robotization for the 21st Century

**GENERAL CATALOG** 

**FANUC** 

# Advantage of using robots

• FANUC Robots will provide your factories with a wide range of advantages.

## Increased Productivity

- Robots are able to handle products that are too heavy and unsafe for humans to lift.
- Robots are able to operate faster than humans.
- Robots can work nights, weekends, holidays, and in "lights out" facilities without a rest.

## **Higher Product Quality**

- Robots are more accurate than manual labor.
- Robots provide higher product quality more consistently than manual labor.

## Improved Work Reliability

- Robots are highly durable and can be relied on for a long-term operation.
- Robots are able to perform complex tasks and operations on behalf of humans.
- No sudden surprises such as sick leave or retirement exists.

## Reduced Costs

- Replacing manual operations with robots can reduce personnel costs.
- Easier system or process changeover can be realized.





# Various application of robots

- FANUC has a wide range of robot types and models available for various applications.
- Various features are available for FANUC robots to make a maximum use of robot flexibilities.









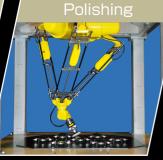
















# Features of FANUC Robot

High Reliability



## High Flexibility

## **High Reliability**

#### Reliable

FANUC designs and manufacturers all robot components with the highest quality and durability, including mechanical arms, servo motors, controllers, software, and sensors.

#### Predictable

Diagnostic features can inform you of conditions in which a robot may fail, allowing for preventative maintenance on the robot before a failure.

#### Easy to Repair

- · Robot mechanical units are designed for easy maintenance.
- Diagnostic features can estimate causes of failure, assisting your quick repair.

## High Efficiency

### **Learning Robot**

The Learning Robot provides smooth and high-speed motion by suppressing robot vibration. This enhances the robot's productivity and the efficiency of a production line, which contributes to reduced overall system costs. Also the Learning Robot enhances the performance of handling a heavy jig or workpiece, which causes robot vibration.



## High Flexibility

#### Collaborative Robot

CR-35iA is a 35kg payload collaborative robot that can work without safety fences. This robot can work in cooperation with a human operator and bring production efficiency and save labor in your factories.



#### iRVision - Integrated Robot Vision

Vision hardware is integrated in the robot controller as standard. 2D compensation, 3D compensation, color sorting, error proofing, bar code reading, etc. can be realized just by connecting Camera or 3D area sensor on the controller. Also, vision teaching and camera viewing can be done on the robot teach pendant.



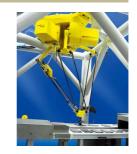
## Zero Down Time

Zero Down Time combines various functions useful for preventive maintenance and helps to improve production efficiency by controlling these functions from a centralized server. This allows failures to be "Predictable".



### Visual Tracking

Through Visual Tracking the robot tracks and picks parts moving on a conveyor by utilizing the vision sensor located upstream. Multiple robots connected via a network can automatically divide the workload among the robots, allowing for automation in various picking and packing processes.



## Bin Picking Robot

The Bin Picking Robot equipped with a vision sensor automates the picking process of randomly piled parts in a bin. The parts do not need to be arranged in advance, eliminating the need for positioning fixtures. It also allows for easy part changeover. The Bin Picking Robot enables unmanned part handling in your factories.



#### Force Sensor/Deburring-Polishing

The Six-Axis Force Sensor, equipped on the robot's wrist, enables a contouring motion of the robot tool while maintaining a designated pushing force to the part. The force-controlled robot contributes to automating processes such as deburring of machined part edges and polishing of part surfaces.



# FANUC Robot i series















# Collaborative Robot

FANUC Robot CR-35	iA	
	Controlled axes	6
	Max.payload at wrist	35kg
( )	Motion range(X,Y)	1813mm, 2931mm
ا √ ا ا	Repeatability	±0.08mm
ا ( / ) کم	Mass	990kg
\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Installation	Floor
	Matching controller/Input power capacity	R-30iB controller(A-cabinet)/3kVA
_ ^ _	Application	Handling, Assembling

## Genkotsu-robot. Mini Robot

Genkotsu-rob	,						
FANUC Robot M-11A		/0.5A	/0.58	/1H	/0.5AL	/0.5SL	/1HL
TARGO ROSO IVI ITA	Controlled axes	6	4	3	6	4	3
	Max.payload at wrist	0.5kg(op		1kg		otion: 1 kg)	1kg
	Motion range(X,Y)		80mm, 100r			120mm, 150n	
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Repeatability	Ψ-	±0.02mm		Ψ.	±0.03mm	
	Mass(without stand)	17kg	14kg	12kg	20kg	17kg	15kg
	Installation		0	Floor, Ceil			
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Matching controller/Input power capacity		R-30 <i>i</i> B Ma	te controller(s		n air)/1kVA	
<u> </u>	Application Handling		•			•	
	Assembling	•			<u> </u>		
FANUC Robot M-21A		/3A	/38	/6H	/3AL	/3SL	/6HL
	Controlled axes	6	4	3	6	4	3
) <u> </u>	Max.payload at wrist	31	(g	6kg	3	kg	6kg
5	Motion range(X,Y)	φ8	00mm, 300r	nm	<b>φ</b> 1	130mm, 400	mm
	Repeatability			±0.1	mm		
\ \ / /	Mass	140kg	130kg	125kg	140kg	130kg	125kg
	Installation			Ceil			
	Matching controller/Input power capacity	R-30iB cont	roller(A-cabin	et), R-30 <i>i</i> B Ma	ite controller(	standard, oper	n air)/12kVA
X	Application		•			•	
	Assembling	•			•		
FANUC Robot M-31A		/E	SA SA	/E	iS	/1:	2H
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Controlled axes	6	3	4	ļ	3	3
٦ ك ١	Max.payload at wrist	61	(g	6kg(opt	ion:8kg)	12	kg
	Motion range(X,Y)			φ1350mn	n, 500mm		
	Repeatability			±0.1	mm		
\ \ //	Mass	17	5kg	160	Okg	159	5kg
	Installation			Ceil	ing		
[ ]>	Matching controller/Input power capacity	D 00:D	II / A I . !	- +\ D OO :D M-	+ + II /		
		K-301B CONT	roller(A-cabin	et), K-3UIB Ma	ite controller(	standard, oper	n air)/12kVA
	Application Handling	R-301B CONT	roller (A-cabin	et), R-301B Ma	te controller(	standard, oper	n air)/12kVA
X		R-301B cont	roller(A-cabine	et), R-301B Ma	ite controller(	standard, oper	n air)/12kVA
FANUC Robot LR Mat	Application Handling Assembling  e 200iD	20		et), R-301B Ma		standard, oper	
FANUC Robot LR Mat FANUC Robot ARC M	Application Handling Assembling  e 200iD		D <i>i</i> D	/7	'L 'L		
	Application Handling Assembling  e 200iD	200	OiD OiD	/7	'L 'L	/4	lS
	Application Handling Assembling  ee 200iD ate 50iD	200	OiD OiD 7	/7 /7 6 kg	Z'L Z'L	/4	IS Kg
	Application Handling Assembling  The 200iD  The 2	200 50 717mm,	DiD DiD 7 1274mm	/7 /7 6 kg 911mm,	ZL ZL S	/4 550mm,	IS (g 970mm
	Application Handling Assembling  The 200iD  The 400iD  The 50iD  Controlled axes  Max.payload at wrist  Motion range(X,Y)  Repeatability	200 50 717mm, ±0.0	7 1274mm 2mm	/77 /77 6 kg 911mm, ±0.0	7L 7L 6 1643mm 3mm	/4 550mm, ±0.0	ss g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Assembling  Controlled axes  Max.payload at wrist  Motion range(X,Y)  Repeatability  Mass	200 50 717mm, ±0.0	DiD DiD 7 1274mm	/77 /77 6kg 911mm, ±0.0 27	/L /L 6 1643mm 3mm kg	44 550mm, ±0.0	IS (g 970mm
	Application Handling Assembling  The 2001D	200 50 717mm, ±0.0	DiD DiD 7 1274mm 2mm ikg	/7/ /7/ /6/ kg 911mm, ±0.0 27 Floor, Upside	ZL ZL S 1643mm 3mm kg -down, Angle	44 550mm, ±0.0 20	ks (g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity	200 50 717mm, ±0.0	DiD DiD 7 1274mm 2mm ikg	/77 /77 6kg 911mm, ±0.0 27	ZL ZL S 1643mm 3mm kg -down, Angle	44 550mm, ±0.0 20	ks (g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Assembling  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling	200 50 717mm, ±0.0	DiD DiD 7 1274mm 2mm ikg	/7/ /7/ /6/ kg 911mm, ±0.0 27 Floor, Upside	ZL ZL S 1643mm 3mm kg -down, Angle	44 550mm, ±0.0 20	ks (g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Assembling  Controlled axes  Max.payload at wrist  Motion range(X,Y)  Repeatability  Mass  Installation  Matching controller/Input power capacity  Handling  Assembling	200 50 717mm, ±0.0	DiD DiD 7 1274mm 2mm ikg	/7/ /7/ /6/ kg 911mm, ±0.0 27 Floor, Upside	ZL ZL S 1643mm 3mm kg -down, Angle	44 550mm, ±0.0 20	ks (g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Assembling  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Arc welding	200 50 717mm, ±0.0	DiD DiD 7 1274mm 2mm ikg	/7/ /7/ /6/ kg 911mm, ±0.0 27 Floor, Upside	ZL ZL S 1643mm 3mm kg -down, Angle	44 550mm, ±0.0 20	ks (g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Assembling  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Arc welding Sealing	200 50 717mm, ±0.0	DiD 7 1274mm 2mm kkg R-30iB Mat	kg 911mm, ±0.0 27 Floor, Upside	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA	ss g 970mm 2mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  The 2001D  Assembling  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application  Application  Application  Application  Arc welding Sealing Others	200 50 717mm, ±0.0 25	OiD OiD 7 1274mm 2mm kg R-30iB Mat	kg 911mm, ±0.0 27 Floor, Upside eccontroller(st	/L //L //L //L //L //L //L //L //L //L	/4 550mm, ±0.0 20 air)/1.2kVA	S 970mm 2mm kg
FANUC Robot ARC M	Application Handling Assembling  The 200iD  The 450iD  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Application Arc welding Sealing Others	200 50 717mm, ±0.0	OiD 7 1274mm 2mm kg R-30iB Mat	/7/ /7/ /7/ /7/ /7/ /8/ kg 911mm, ±0.0 27 Floor, Upside recontroller(st	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA	PS SE
FANUC Robot ARC M	Application Handling Assembling  The 2001D	200 50 717mm, ±0.0 25	OiD 7 1274mm 2mm kkg R-30iB Mat	kg 911mm, ±0.0 27 Floor, Upside eccontroller(st	7L 7L 8 1643mm 3mm kg -down, Angle andard, open 0 0 0 0 7 7 7 8 8	44 550mm, ±0.0 20 air)/1.2kVA	es 970mm 2mm kkg /4SH
FANUC Robot ARC M	Application Handling Assembling  The 2001D  The 401D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Application Application Arc welding Sealing Others  The 2001D  Controlled axes Max.payload at wrist	200 50 717mm, ±0.0 25	DiD 7 1274mm 2mm kg R-30iB Mat	/7 /7 /7 /8 kg 911mm, ±0.0 27 Floor, Upside eccontroller(st	7L 7L 8 1643mm 9mm 9mm 9mm 9mm 9mm 9mm 9mm 9mm 9mm	44 550mm, ±0.0 20 air)/1.2kVA	970mm 2mm lkg /4SH
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Assembling  Assembling  Assembling  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Application Application Controlled axes Max.payload at wrist Motion range(X,Y)	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm 2kg R-30iB Mat  //7C 7kg 1274mm	/7 /7 /7 /8 kg 911mm, ±0.0 27 Floor, Upside econtroller(st	7L 7L 7L 8 1643mm 8mm kg -down, Angle andard, open 9 9 9 9 9 9 7 4 8 6 4 8 4 8	44 550mm, ±0.0 20 air)/1.2kVA	970mm 2mm lkg /4SH
FANUC Robot LR Mat	Application Handling Assembling  The 2001D  Ate 501D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Application  Application Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Masembling Arc welding Sealing Others	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm 8kg R-30iB Mat 77C 7kg 1274mm 2mm	kg 911mm, ±0.0 27 Floor, Upside econtroller(st	ZL Z	74 550mm, ±0.0 20 air)/1.2kVA air)/1.2kVA 77H 57kg 717mm, 1274mm ±0.02mm	/4SH 5 4kg 550mm, 970mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Ate 501D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Arc welding Sealing Others  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm 2kg R-30iB Mat  //7C 7kg 1274mm	kg 911mm, ±0.0 27 Floor, Upside econtroller(st  Mold release s  /7LC 6 911mm, 1643mm ±0.03mm 27kg	7L 7L 8 11643mm 8mm 8mg 9cdown, Angle 9cdown, Angle 9cdown, Open 9cdown, Deburrir 9dsc 9dsc 9dsc 9dsc 9dsc 9dsc 9dsc 9dsc	/4 550mm, ±0.0 20 air)/1.2kVA ir)/1.2kVA 77H E 717mm, 1274mm ±0.02mm 24kg	970mm 2mm lkg /4SH
FANUC Robot LR Mat	Application Handling Assembling  The 2001D  Ate 501D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Assembling Arc welding Sealing Others  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm kg R-30iB Mat  //7C 7kg 1274mm 2mm kg	kg 911mm, ±0.0 27 Floor, Upside recontroller(st  Mold release si /7LC 6 911mm, 1643mm ±0.03mm 27kg Floor, Upside	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA ing /7H 57kg 717mm, 1274mm ±0.02mm 24kg	/4SH 5 4kg 550mm, 970mm
FANUC Robot LR Mat	Application Handling Assembling  The 2001D  The 2001D  The 4001D  The 501D	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm kg R-30iB Mat  //7C 7kg 1274mm 2mm kg	kg 911mm, ±0.0 27 Floor, Upside econtroller(st  Mold release s  /7LC 6 911mm, 1643mm ±0.03mm 27kg	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA ing /7H 57kg 717mm, 1274mm ±0.02mm 24kg	/4SH 5 4kg 550mm, 970mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Ate 501D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Arc welding Sealing Others  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Assembling Assembling	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm kg R-30iB Mat  //7C 7kg 1274mm 2mm kg	kg 911mm, ±0.0 27 Floor, Upside recontroller(st  Mold release si /7LC 6 911mm, 1643mm ±0.03mm 27kg Floor, Upside	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA ing /7H 57kg 717mm, 1274mm ±0.02mm 24kg	/4SH 5 4kg 550mm, 970mm
FANUC Robot ARC M	Application Handling Assembling  The 2001D  Ate 501D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation  Application  Application  Application  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Assembling Arc welding Sealing Others  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Application Application Application Assembling	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm kg R-30iB Mat  //7C 7kg 1274mm 2mm kg	kg 911mm, ±0.0 27 Floor, Upside recontroller(st  Mold release si /7LC 6 911mm, 1643mm ±0.03mm 27kg Floor, Upside	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA ing /7H 57kg 717mm, 1274mm ±0.02mm 24kg	/4SH 5 4kg 550mm, 970mm
FANUC Robot LR Mat	Application Handling Assembling  The 2001D  Ate 501D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Application Arc welding Sealing Others  The 2001D  Controlled axes Max.payload at wrist Motion range(X,Y) Repeatability Mass Installation Matching controller/Input power capacity Handling Assembling Assembling Assembling	200 50 717mm, ±0.0 25 /7WP	DiD 7 1274mm 2mm kg R-30iB Mat  //7C 7kg 1274mm 2mm kg	kg 911mm, ±0.0 27 Floor, Upside recontroller(st  Mold release si /7LC 6 911mm, 1643mm ±0.03mm 27kg Floor, Upside	ZL Z	/4 550mm, ±0.0 20 air)/1.2kVA ing /7H 57kg 717mm, 1274mm ±0.02mm 24kg	/4SH 5 550mm, 970mm



# Arc Welding Robot, Small/Medium Size Robot

FANUC Robot ARC Ma	ate OİB									
T ANOS ROSSI ANO INI	Controlled	axes				6				
	Max.payloa		3kg							
( M )	Motion ran		1437mm, 2537mm							
	Repeatabil	ity		001	(in 2000	±0.08mn		1.4Eka)		
	Mass Installation	<u> </u>		998		of pedestra Upside-dow		145Kg)		
		troller/Input power capacity		R-3		controller(s		/ 2k\/		
- X	Application			11-0	Orb Mate	Arc weldin		LNA		
FANUC Robot M-101A								/10MS	/10M	
FANUC Robot ARC Ma	-4- 100 <i>i</i> 0	`	/12S	/12	/7	7L	/8L	7 TOWIO	7 1 0101	
PANOC RODOFARC IVI	Controlled					6				
	Max.payloa		1	2kg	71		8kg	10	)kg	
	Motion ran								1422mm, 2508mm	
	Repeatabil		±0.05mm				.08mm		,	
	Mass		1	30kg			50kg	13	Okg	
( ( ','))  >	Installation					Upside-dow				
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Matching con	troller/Input power capacity	R-30 <i>i</i> B	controller(	A,B-cabine	t), R-30 <i>i</i> B N	late cont	roller(standa	ard)/2kVA	
		Handling Assembling								
	Annlication	Arc welding								
	Application	Sealing								
^		Others			Mold	nandling, D	eburring			
FANUC Robot M-201A	1			M-20 <i>i</i> A		/12L	/	20M	/35M	
FANUC Robot ARC Ma	- ate 120 <i>i</i> 0	<b>.</b>	ARC	Mate 120	iC	/12L				
171100 1.020. 71110 111	Controlled					6				
	Max.payloa	ad at wrist		20kg		12kg	2	20kg	35kg	
	Motion range(X,Y)		1811	mm, 3275	mm 2	2009mm, 3672		1813mm, 3	278mm	
/ []	Repeatabil	ity	±0.08mm							
	Mass		250kg 252kg Floor, Upside-down, Angle						252kg	
\	Installation   Matching controller/Input			controller(				roller(standa	rd)/2k\/A	
	Matching Con	Handling	N-301B		4,D-Cabine	t), n-3016 f	viate com		A CONTRACTOR	
		Assembling		Ŏ		Ŏ		Ŏ	ě	
	Application	Arc welding		•		•		•	•	
X		Sealing							•	
		Others	Mold handling, Deburring							
FANUC Robot M-20i	3					M-20 <i>i</i> B/2	5			
	Controlled					6				
	Max.payloa		25kg 1853mm.3345mm							
	Motion ran Repeatabil		±0.06mm							
	Mass	ity	210kg							
	Installation	 1			Floor.	Upside-dow	n. Angle			
	Matching con	troller/Input power capacity	R-30 <i>i</i> B	controller(				roller(standa	rd)/3kVA	
\ \ <del>\</del>		Handling				•				
		Assembling				•				
	Application	Arc welding								
^ -		Sealing Others			Mold I	handling, D	ehurring			
FANUC Robot M-710i			/45M	/50	/70	/12L	/20L	/50S	/50H	
TARGO RODO IVI-7 IOT	Controlled	axes	7 TOW	700		6	7	7000	5	
	Max.payloa		45kg	50kg	70kg	12kg	20kg	50kg	50kg	
	Motion ran		2606mm, 4575mm	2050mm,	3545mm	3123mm, 5609m	m 3110mm, 558		mm   2003mm, 3451mm	
//	Repeatabil	ity	±0.1mm		7mm		15mm		m ±0.15mm	
	Mass		570kg		Okg		10kg	545kg		
	Installation		D 00:D			e-down, An		r/otopd===1\/\$	Floor, Upside-dowr	
/ / } {/	iviatening con	troller/Input power capacity Handling	H-3U1B CO	nicroller(A,B	-cabinet), F	1-301B Mate	controlle	r(standard)(N	ote)/ 12kVA	
		Assembling								
		Arc welding		•			•			
	A 12									
	Application	Sealing	•	•	Ŏ	•		•		
X	Application		•	•	•	•	•	•		



# Medium Size Robot

FANUC Robot R-1000iA			/80F	/100F	/80H		
		Controlled	axes	6	3	5	
		Max.payloa	d at wrist	80kg	100kg	80kg	
		Motion ran	ge(X,Y)	2230mm,	, 3738mm	2230mm, 3465mm	
1// N \		Repeatabil	ity		±0.2mm		
		Mass		620kg	665kg	610kg	
ا کئے ا		Installation			Floor, Upside-d	own	
		Matching con	troller/Input power capacity	R-30iB controller (A,B-cabinet), R-30	iB Mate controller(standard)/12kVA	R-30iB controller(A, B-cabinet)/12kVA	
			Handling	•	•	•	
		Application	Assembling	•			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Application	Sealing	•			
_ ^	-		Spot welding				

#### Large Size Robot

	ic						Large Size Robot							
			/165F	/2	210F	/125L	/169	5B	/210R					
	Controlled a	avec	, , , , ,			6		· · ·	,					
	Max.payloa		165kg	2	10kg	125kg	165	ikø	210kg					
	Motion rang			nm, 3414		3100mm, 4304mm		95mm, 4						
	Repeatabili		20001	IIIII, O I		±0.2mm		OOMMIN, 4	7 00111111					
	Mass	cy .		1090kg		1115kg		1370k	′ G					
	Installation				loor	TTTOKE		Rack						
		roller/Input power capacity	B-30;			t), R-30 <i>i</i> B Mate	controller							
ا (لنَّبَ ا	Watering Corre	Handling	11-001	Controller	(A,D-Cabilic		Controller		ILKVA					
ا ا ا کیا		Assembling												
	Application													
	Application	Spot welding												
		Others		Mold ha	ndling Pre	ss to press h	andling D	ehurring						
	•	Othors												
FANUC Robot R-20001	<b>iB</b> Controlled a	2400	/250F	/2	10WE	/175L 6	/18	5L	/100P					
			OFOLG	2	1 Oka		105	lka	100kg					
	Max.payloa		250kg	nm, 3414	10kg	175kg 2852mm, 3809mm	185		100kg					
	Motion rang		20001	1111, 3414	111111 2	2852mm, 3809mm ±0.3mm	ı   3000IIIII), <sup>2</sup>	+660111111   30	מווווווווווווווווווווווווווווווווווווו					
	Repeatabili Mass	Ly	10704~	1.0	190kg		1000	)ka	1560kg					
	iviass Installation		1270kg	ا ا د	.80kg Floo	1260kg	1290	JKB	1560kg					
		roller/Input power capacity		D 0		or oller (A,B-cabi	inot) / 101	<b>Ι</b> //Λ	Rack					
\	watering cont			n-c	SOIB COILL	iller (A,B-Cabi	inet) / 12i	KVA	•					
		Handling Assembling						<u> </u>						
		Sealing						<u> </u>						
	Application													
<del> </del>		Spot welding Washing					_	<u>'</u>						
Others			Mold bo	ndling Pro	ss to press h	andling D	Oburring							
		Others						couring						
FANUC Robot R-20001	<i>t</i> B		/170CF	/150			OFS /	220US	/100H					
	Controlled a	axes			6				5					
1	Max.payload at wrist Motion range(X,Y)		170kg	150k			Okg 2	220kg	1001					
									100kg					
		50()(, )	1520mm, 22/9mm			3414mm 2605mm,	3316mm 2443							
	Repeatabili		±0.15mm	±0.2m	m	±0.3	3mm		2655mm, 3414mm ±0.2mm					
	Repeatabili Mass			±0.2m	m g 115	±0.3 Okg 125	3mm		2655mm, 3414mm					
	Mass Installation	ty	±0.15mm	±0.2m	m g 115 oside-down	±0.3 Okg 125 Flo	8mm Okg 1 oor Ups	3mm, 3316mm	2655mm, 3414mm ±0.2mm 1150kg					
>	Mass Installation Matching c	ontroller	±0.15mm 800kg	±0.2m	m g 115 oside-down	±0.3 Okg 125	8mm Okg 1 oor Ups	3mm, 3316mm 160kg	2655mm, 3414mm ±0.2mm 1150kg					
>	Mass Installation	ontroller	±0.15mm 800kg Floor, Upside-dowr	±0.2m	m g 115 side-down R-30 <i>i</i> B c	±0.3 Okg 125 Flo	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg	2655mm, 3414mm ±0.2mm 1150kg					
>	Mass Installation Matching c	ontroller	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k Up	m g 115 side-down R-30 <i>i</i> B c	±0.3 Okg 125 Flo controller(A,B-	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg side-down	2655mm, 3414mm ±0.2mm 1150kg Floor					
	Mass Installation Matching c Input powe	ontroller r capacity Handling Assembling	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k Up	m g 115 side-down R-30 <i>i</i> B c	±0.3 Okg 125 Flo controller(A,B-	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg side-down	2655mm, 3414mm ±0.2mm 1150kg Floor					
	Mass Installation Matching c	ontroller r capacity Handling Assembling	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k Up	m g 115 side-down R-30 <i>i</i> B c	±0.3 Okg 125 Flo controller(A,B-	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg side-down	2655mm, 3414mm ±0.2mm 1150kg Floor					
	Mass Installation Matching c Input powe	ontroller r capacity Handling Assembling Sealing Spot welding	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k Up	m g 115 sside-down R-30 <i>i</i> B o 15k	±0.3 Okg 125 Flo controller (A,B- VA 12k	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg side-down 15kVA	2655mm, 3414mm ±0.2mm 1150kg Floor					
	Mass Installation Matching c Input powe	ontroller r capacity Handling Assembling Sealing	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k Up	m g 115 sside-down R-30 <i>i</i> B o 15k	±0.3 Okg 125 Flo controller(A,B-	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg side-down 15kVA	2655mm, 3414mm ±0.2mm 1150kg Floor					
	Mass Installation Matching c Input power	ontroller r capacity Handling Assembling Sealing Spot welding	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k Up	m g 115 sside-down R-30 <i>i</i> B o 15k	±0.3 Okg 125 Flo controller (A,B- VA 12k	8mm Okg 1 oor Ups cabinet)	3mm, 3316mm 160kg side-down 15kVA	2655mm, 3414mm ±0.2mm 1150kg Floor 12kVA					
FANUC Robot M-900 iE	Mass Installation Matching c Input power Application	ontroller r capacity Handling Assembling Sealing Spot welding	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k 1070k Up 2kVA Mold ha	m gg 115 oside-down R-30 <i>i</i> B c 15k ndling, Pre	±0.3 Okg 125 Florontroller(A,B-12k A 12k ss to press h	Omm Okg 1 oor Ups cabinet) VA  andling, D	3mm, 3316mm 160kg side-down 15kVA	2655mm, 3414mm ±0.2mm 1 150kg Floor 12kVA					
FANUC Robot M-900 IE FANUC Robot M-900 IA	Mass Installation Matching c Input power Application	ontroller r capacity Handling Assembling Sealing Spot welding Others	±0.15mm 800kg Floor, Upside-dowr	±0.2m 1070k 1070k Up 2kVA Mold ha	m gg 115 oside-down R-30 <i>i</i> B c 15k ndling, Pre	±0.3 Okg 125 Florontroller(A,B- OVA 12k ss to press h	Omm Okg 1 oor Ups cabinet) VA  andling, D	3mm, 3316mm 160kg side-down 15kVA	2655mm, 3414mm ±0.2mm 1150kg Floor 12kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application  3 A Controlled a	ontroller r capacity Handling Assembling Sealing Spot welding Others	±0.15mm 800kg Floor, Upside-dowr 12	±0.2m 1070k 1 Up 2kVA Mold ha	m 115 sside-down R-30iB c 15k ndling, Pre	±0.3 Okg 125 Flo controller (A,B- VA 12k ss to press h	Rmm Okg 1 oor Ups cabinet) VA andling, D	3mm, 3316mm 160kg side-down 15kVA  eleburring /400L	2655mm, 3414mm ±0.2mm 1150kg Floor 12kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application  3 A Controlled a Max.payloa	ontroller r capacity Handling Assembling Sealing Spot welding Others	±0.15mm 800kg Floor, Upside-dowr 12 0 0 7360	±0.2m 1070k 1 Up 2kVA Mold ha /280L	m 115 sside-down R-30iB c 15k ndling, Pre /280	±0.3 Okg 125 Flo controller (A,B- VA 12k ss to press h  /150P 6 150kg	8mm Okg 1 oor Ups cabinet) VA andling, D 700kg	3mm, 3316mm  160kg side-down  15kVA  0 0 0eburring  /400L	2655mm, 3414mm ±0.2mm 1150kg Floor 12kVA 					
FANUC Robot M-900 is FANUC Robot M-900 is	Mass Installation Matching c Input power Application  Controlled a Max.payloa Motion rang	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y)	±0.15mm 800kg Floor, Upside-dowr 12 0 0 7360	±0.2m 1070k 1 Up 2kVA Mold ha /280L	m 115 sside-down R-30iB c 15k ndling, Pre /280 280kg 2655mm, 3308mm	±0.3 Okg 125 Flo controller (A,B- VA 12k ss to press h	8mm Okg 1 oor Ups cabinet) VA andling, D 700kg	3mm, 3316mm  1 160kg side-down  1 5kVA  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA  /200P  200kg mm 3507mm, 3876mm					
FANUC Robot M-900 IA FANUC Robot M-900 IA	Mass Installation Matching c Input power Application  Application  Controlled a Max.payloa Motion rang Repeatabili	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y)	±0.15mm 800kg Floor, Upside-dowr 12 0 0 7360	±0.2m 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k	m 115 side-down R-30 <i>i</i> B c 15 ndling, Pre /280  280kg 2655mm, 3308mm ±0.3mm	±0.3 Okg 125 Florontroller(A,B-12) Section 12k Section 12k Section 150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm	3mm, 3316mm 160kg side-down 15kVA  behaviors  400kg 3704mm, 4621i ±0.5mn	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application  Application  A A Controlled a Max.payloa Motion rang Repeatabili Mass	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty	±0.15mm 800kg Floor, Upside-down 12 0 0 7360 360kg 2655mm, 3308mm 3	±0.2m 1070k Up 2kVA Mold ha /280L 280kg	m 115 side-down R-30 <i>i</i> B c 15 ndling, Pre /280  280kg 2655mm, 3308mm ±0.3mm 1700kg	±0.3 Okg 125 Florontroller(A,B-12) Section 12k Section 12k Section 150P 6 150kg 13507mm, 3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg	3mm, 3316mm 160kg side-down 15kVA  beburring  /400L  400kg 3704mm, 4621t ±0.5mn 3150kg	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k 1070k	m 115 sside-down R-30iB c 15k ndling, Pre /280  280kg 2655mm, 3308mm ±0.3mm 1700kg n, Angle	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA andling, D /700  700kg 832mm, 3288mm 2800kg Flo	3mm, 3316mm  160kg side-down  15kVA	2655mm, 3414mm ±0.2mm 1 150kg Floor  1 2kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application    Controlled a Max.payloa Motion rang Repeatabili Mass Installation Matching c	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty ontroller	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1 Up 2kVA Mold ha /280L 280kg 8103mm, 4200mm 1600kg sside-down iB control	m 115 sside-down R-30iB c 15k ndling, Pre /280 280kg 2855mm, 3308mr ±0.3mm 1700kg h, Angle ler(A,B-cab	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg Fla R-30iB c	3mm, 3316mm 160kg side-down 15kVA  eburring /400L  400kg 3704mm, 4621r ±0.5mm 3150kg oor	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty  ontroller r capacity	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1 Up 2kVA Mold ha /280L 280kg 8103mm, 4200mm 1600kg sside-down iB control	m 115 sside-down R-30iB c 15k ndling, Pre /280  280kg 2655mm, 3308mm ±0.3mm 1700kg n, Angle	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg Fla R-30iB c	3mm, 3316mm  160kg side-down  15kVA	2655mm, 3414mm ±0.2mm 1 150kg Floor  1 2kVA					
FANUC Robot M-900iE FANUC Robot M-900iA	Mass Installation Matching c Input power Application    Controlled a Max.payloa Motion rang Repeatabili Mass Installation Matching c	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty  ontroller r capacity Handling	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1 Up 2kVA Mold ha /280L 280kg 8103mm, 4200mm 1600kg sside-down iB control	m 115 sside-down R-30iB c 15k ndling, Pre /280 280kg 2855mm, 3308mr ±0.3mm 1700kg h, Angle ler(A,B-cab	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg Fla R-30iB c	3mm, 3316mm 160kg side-down 15kVA  eburring /400L  400kg 3704mm, 4621r ±0.5mm 3150kg oor	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					
FANUC Robot M-900 is FANUC Robot M-900 is	Mass Installation Matching c Input power Application  A Controlled a Max.payloa Motion rang Repeatabili Mass Installation Matching c Input power	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty  ontroller r capacity Handling Assembling	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1 Up 2kVA Mold ha /280L 280kg 8103mm, 4200mm 1600kg sside-down iB control	m 115 sside-down R-30iB c 15k ndling, Pre /280 280kg 2855mm, 3308mr ±0.3mm 1700kg h, Angle ler(A,B-cab	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg Fla R-30iB c	3mm, 3316mm 160kg side-down 15kVA  eburring /400L  400kg 3704mm, 4621r ±0.5mm 3150kg oor	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					
FANUC Robot M-900 IE FANUC Robot M-900 IA	Mass Installation Matching c Input power Application  A Controlled a Max.payloa Motion rang Repeatabili Mass Installation Matching c Input power	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty  ontroller r capacity Handling Assembling Sealing Sealing	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1 Up 2kVA Mold ha /280L 280kg 8103mm, 4200mm 1600kg sside-down iB control	m 115 sside-down R-30iB c 15k ndling, Pre /280 280kg 2855mm, 3308mr ±0.3mm 1700kg h, Angle ler(A,B-cab	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg Fla R-30iB c	3mm, 3316mm 160kg side-down 15kVA  eburring /400L  400kg 3704mm, 4621r ±0.5mm 3150kg oor	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					
FANUC Robot M-900 is FANUC Robot M-900 is	Mass Installation Matching c Input power Application  A Controlled a Max.payloa Motion rang Repeatabili Mass Installation Matching c Input power	ontroller r capacity Handling Assembling Sealing Spot welding Others  axes d at wrist ge(X,Y) ty  ontroller r capacity Handling Assembling	±0.15mm 800kg Floor, Upside-down 12 0 0 360kg 2655mm, 3308mm 3 1540kg Floor, Upside-down	±0.2m 1070k 1 Up 2kVA Mold ha /280L 280kg 8103mm, 4200mm 1600kg sside-down iB control	m 115 sside-down R-30iB c 15k ndling, Pre /280 280kg 2855mm, 3308mr ±0.3mm 1700kg h, Angle ler(A,B-cab	±0.3 Okg 125 Flo controller (A,B- cVA 12k  ss to press h  /150P 6 150kg 150kg 13507mm,3876mm 2	Rmm Okg 1 oor Ups cabinet) VA  andling, D  700kg 832mm, 3288mm 2800kg Fla R-30iB c	3mm, 3316mm 160kg side-down 15kVA  eburring /400L  400kg 3704mm, 4621r ±0.5mm 3150kg oor	2655mm, 3414mm ±0.2mm 1 1 50kg Floor 1 2kVA					



# Large Size Robot

FANUC Robot M-200	<b>C</b> Robot <b>M-2000</b> <i>i</i> <b>A</b> /1200 /900L /2300 /				/1700L		
	Controlled axes						
\ ===\\	Max.payload at wrist	1200kg(option:1350kg)	900kg	2300kg	1700kg		
	Motion range(X,Y)	3734mm, 4683mm	4683mm, 6209mm	3734mm, 4683mm	4683mm, 6209mm		
\rangle \langle \rangle \rangle \rangle	Repeatability	±0.3mm	±0.5mm	±0.3mm	±0.5mm		
'	Mass	8600kg	9600kg	11000kg	12500kg		
+ +	Installation	Floor					
	Matching controller/Input power capacity	R-30iB controller(A,B-cabinet)/30kVA					
X	Application		Han	dling			

# Palletizing Robot, Others

FANUC Robot M-410i		/185	/315	/500			
FANUC Robot M-410 i	3	/140H	40H /70				
5	Controlled axes			4			
	Max.payload at wrist	140kg	185kg	315kg	500kg	700kg	
	Motion range(X,Y)	2850mm, 3546mm	3143mm, 2958mm			3143mm, 2958mm	
1 (h-) (	Repeatability	±0.2mm	±0.5mm				
ا المنظم	Mass		Pedestal type 160 No pedestal 1330	Okg <sup>(*1)</sup> kg <sup>(*2)</sup>	Pedestal type 2410kg <sup>(*1)</sup> No pedestal 1910kg <sup>(*2)</sup>	2700kg <sup>(*1)</sup>	
	Installation	Floor					
	Matching controller/Input power capacity		R-30iB con	troller(A,B-cabi	net)/15kVA		
^ >	Application	Handling					

<sup>\*1:</sup>Controller mass(120kg) is included. \*2:Controller mass(120kg) is not included.

								15 Hot moladed.
FANUC Robot F-2001	В							
X	Controlled axes				E	3		
	Max.payloa	id at wrist			100	Okg		
	Motion ran	ge(X,Y)			φ500mm	, 300mm		
	Repeatabil	ity			±0.1	mm		
	Mass				190	Okg		
	Installation	l			Floor, Ups	side-down		
/// II	Matching cont	troller/Input power capacity		R-30	iB controller(	A,B-cabinet)/	5kVA	
[][][]		Handling						
[ ] / / \ \	Application	Assembling						
l	Application	Spot welding						
		Others		Lifter, Locat	er, Deburring,	Inspection, M	leasurement	t
Town Manual Balant			M-20iA, ARC Mate 120iC M-710iC			R-2000iB		
Top Mount Robot			/20T	/20MT	/35MT	/50T	/70T	/200T
	Controlled	axes	6					
	Max.payload at wrist		3kg(*1),20kg(*2)	20kg	35kg	50kg	70kg	200kg
	Motion ran	ge(X,Y)	1662mm, 3217mm	1663mm	, 3220mm	1900mm,	3616mm	2208mm, 4031mm
	Repeatabil	ity		±0.08mm	±0.07mm(*3)		mm(*3)	±0.3mm
	Mass		185	ikg	187kg	410	Okg	1100kg
	Installation	1		Floor	, Upside-down	, Wall		Upside-down, Wall
	Matching	R-30iB controller(A,B-cabinet)		•				•
\	controller	R-30iB Mate controller(std.)						
	Input powe	r capacity		ЗkVА		124	«VΑ	15kVA
		Handling		•		•	•	•
		Assembling		•		•	•	•
< X >	Application	Arc welding		•		•	•	
· '		Sealing		•		•	•	
		Spot welding				•	•	

	R-30 <i>i</i> B 0	Controller	R-30iB Mat	te Controller		
	A-Cabinet	B-Cabinet	Standard Type	Open Air Type		
		**************************************				
Rated Supply Voltage	AC 200-575V +10% -1 50/60Hz ±1Hz, 3-phase		AC 200-230V +10% -15% 50/60Hz ±1Hz, 1-phase/3-phase			
Mass of Controller	120-140kg	180-200kg	40kg	20kg		
Dimensions(WXDXH)	600×470×500	740×550×1100	470×322×400 470×402×400 *1	370×350×200 370×350×356 *1		
Protection Class	IP54			IP20		
Emergency stop	Emergency stop function PL=e, Cat4(ISO13849-1) SIL3(IEC61508) Position/Speed check function PL=d, Cat3(ISO13849-1) SIL2(IEC61508)					
External Memory	USB, PCMCIA		USB			
Fieldbus	Ethernet, FL-net, Devicel PROFINET, CC-Link, CC-L EtherCAT		Ethernet, FL-net, DeviceNet, PROFIBUS, PROFINET, CC-Link, EtherNet/IP, EtherCAT			

\*1:Dimension is varied due to robot types

# Safety & Reliability

## Industrial Standards Conformance for Safety and Environment

The FANUC Robot i series is manufactured at fully automated and robotized factories under strict quality control, and meets ISO:9001 certifications.

The FANUC Robot i series is compliant with the European, American, Korean, etc. safety standards, and has been certified with the CE, NRTL and KC marking (with options for each specification). TÜV marking and TÜV EMC marking are attached when the European specification for the robot is chosen.



# Maintenance & Support

#### Worldwide Customer Service

FANUC offers customer service and support anywhere in the world through subsidiaries and affiliates. FANUC prides itself in providing the highest quality service with the quickest response time at the nearest location to vou.



#### **FANUC Training Center**

FANUC's training centers offer a variety of intensive robot training courses, from introductory to advanced knowledge and skills for teaching, operation, engineering and maintenance of FANUC robots and their applications. Hands-on training provides your employees with the skills needed to operate and maintain your factory automation.

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