FANUC Robot CRX series

CRX-5*i*A   CRX-10*i*A   CRX-10*i*A/L   CRX-20*i*A/L   CRX-25*i*A

Safety

· Contact Stop
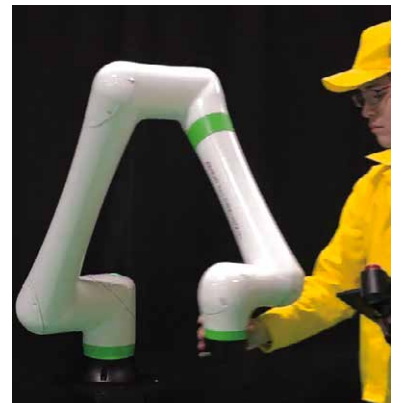
Safely stops with only a light contact with humans

Stop

Safety certified to ISO 10218-1 (Including ISO/TS15066)

Ease of Use

· Manual Guided Teach

Intuitive and responsive manual guided teach

· Many intelligent functions

Latest intelligent functions, such as built-in vision and force sensors, are available

Ease of Use

· Plugin peripheral devices

- · CRX Plugin compatible devices are listed on the FANUC web site with links to the device suppliers web site.
- · The device suppliers can provide their custom menu and custom icons as plugin software.

Custom menu   Custom icons

· Tablet TP

New Tablet TP
Interface

*i*Pendant
Interface

Easy operation focusing
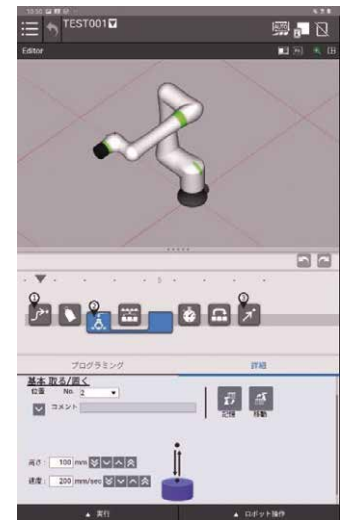on simple functions

Full
specifications

· Icon based programming

New intuitive touch panel user interface

Timeline

- · Drag & drop icons to
  the timeline to teach

- · Touch icons in the
  timeline to show details
- · Modify parameters for
  commands

High Reliability

· Lifetime Maintenance

Repair
Factory

- · FANUC keeps providing services as long as
  the customers contine to use our products.
- · FANUC stores sufficient spare parts of even
  discontinued products.

· Service First

FANUC service team delivers customer trust and confidence
based on direction of service "Maximizing Uptime",
"Global Service" and "Lifetime maintenance".

Service First

Conforming to the spirit of "Service First", FANUC provides lifetime maintenance to its products
for as long as they are used by customers, through more than 270 service locations supporting
more than 100 countries and regions throughout the world.

Maximizing Uptime

Global
Service

Lifetime
Maintenance

- · Service and support network all over
  the world

· Maintenance-Free (for 8 years)

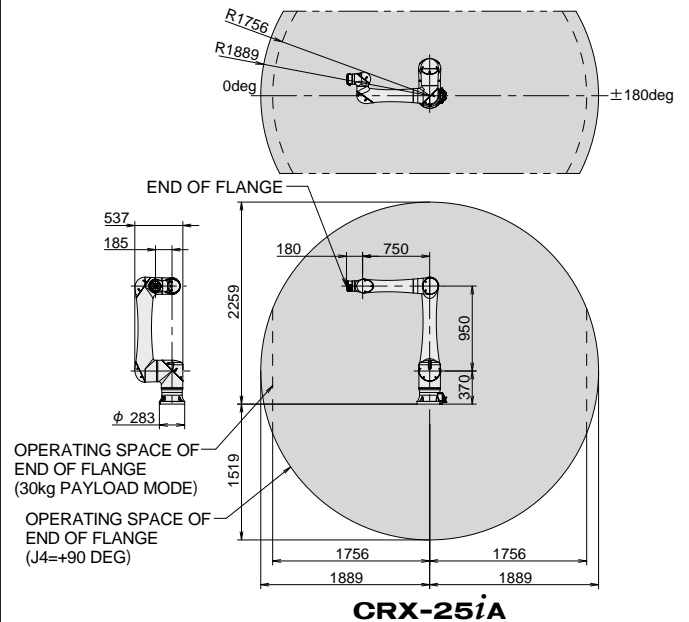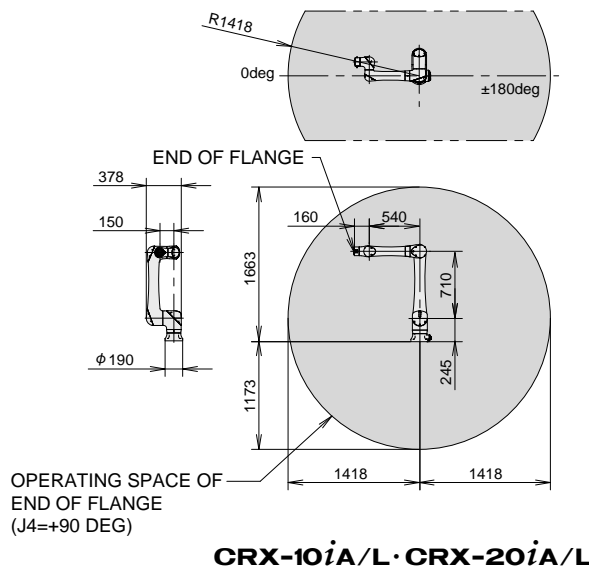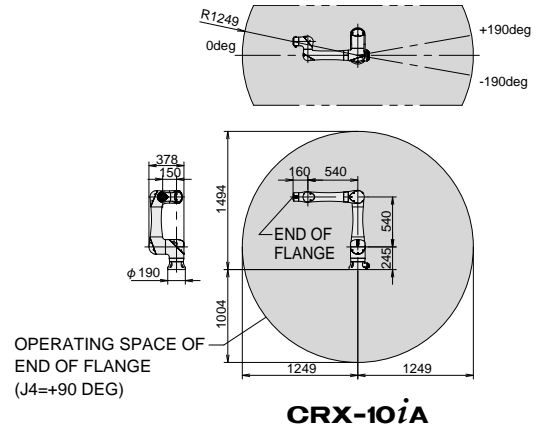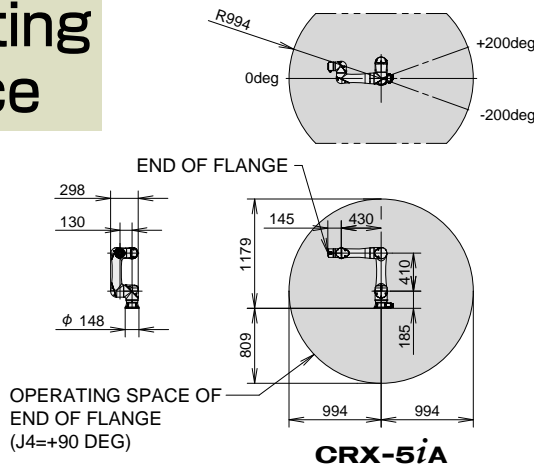- · Motors, reducers, sensors, cables, grease, etc.

Lightweight Mechanical Unit

• Easy and safe installation

• Lifting and Installation by two people without requiring lifting equipment (CRX-25*i*A is not included)

Operating Space

CRX-5*i*A

R994
+200deg
0deg
-200deg

END OF FLANGE
298
130
φ148
1179
145
430
410
809
185
994 994
OPERATING SPACE OF END OF FLANGE (J4=+90 DEG)

CRX-10*i*A

R1249
+190deg
0deg
-190deg

378
150
φ190
1494
160 540
540
245
END OF FLANGE
1004
1249 1249
OPERATING SPACE OF END OF FLANGE (J4=+90 DEG)

CRX-10*i*A／L・CRX-20*i*A／L

R1418
0deg
±180deg

END OF FLANGE
378
150
φ190
1663
160 540
710
245
1173
1418 1418
OPERATING SPACE OF END OF FLANGE (J4=+90 DEG)

CRX-25*i*A

R1756
R1889
0deg
±180deg

END OF FLANGE
537
185
φ283
2259
180 750
950
370
1519
1756 1756
1889 1889
OPERATING SPACE OF END OF FLANGE (30kg PAYLOAD MODE)
OPERATING SPACE OF END OF FLANGE (J4=+90 DEG)

Model		CRX-5*i*A	CRX-10*i*A	CRX-10*i*A/L	CRX-20*i*A/L	CRX-25*i*A
Type		6 axes (J1, J2, J3, J4, J5, J6)				
Reach		994 mm	1249 mm	1418 mm	1418 mm	1889 mm (1756mm Note 7)
Installation (Note 1)		Floor, Upside-down, Angle mount				
Maximum speed (Note 2、3)	Colaborative mode	1000 mm/s	1000 mm/s		1000 mm/s	1000 mm/s
	High speed mode	2000 mm/s	2000 mm/s		1000 mm/s	2000 mm/s
Max. load capacity at wrist		5 kg	10 kg		20 kg	25 kg (30kg Note 7)
Allowable load moment at wrist	J4 axis	19.0 Nm	34.8 Nm		70.0 Nm	100.0 Nm (115.0 Nm Note 8)
	J5 axis	15.4 Nm	26.0 Nm		64.0 Nm	85.0 Nm
	J6 axis	6.7 Nm	11.0 Nm		30.0 Nm	32.0 Nm
Allowable load inertia at wrist	J4 axis	0.77 kg·m²	1.28 kg·m²		4.00 kg·m²	4.70 kg·m²
	J5 axis	0.50 kg·m²	0.90 kg·m²		4.00 kg·m²	4.00 kg·m²
	J6 axis	0.10 kg·m²	0.30 kg·m²		2.00 kg·m²	2.00 kg·m²
Repeartability (Note 4)		±0.03 mm	±0.04 mm		±0.04 mm	±0.05 mm
Mass (Note 5)		25 kg	40 kg		41 kg	135 kg
Noise (Note 6)		70 dB or less				
Degree of protection		IP67				
Installation environment		Ambient temperature : 0 to 45°C / Ambient humidity : Normally 75%RH or less (No condensation allowed) : Short term (Within one month) 95%RH or less (No condensation allowed) / Vibration acceleration : 4.9m/s² (0.5G) or less				
Matching controller R-30*i*B Mini Plus	Rated Volltage	AC 100-120V, AC200-240V Single phase +10% -15%, 50/60Hz				
	Input power source capacity	1.5 kVA				
	Mass of controller	20 kg				22 kg
	Dimensions (W×D×H)	410×277×370 mm				
	Degree of protection	IP54				

Note 1) Angle mount needs motion range restriction according to with the payload. (CRX-5*i*A)
Note 2) During short distance motions, the axis speed may not reach the maximum value stated.
Note 3) It is necessary to set a motion speed according to risk assesment of system.
Note 4) Compliant with ISO9283.
Note 5) Without controller.

Note 6) This value is equivalent continuous A-weighted sound pressure level, which applied with ISO11201(EN31201). This vakue is messured with the following conditions.
- Maximum load and speed
- Operationg mode is AUTO
Note 7) The operating space is restricted when 30kg payload mode is selected. (CRX-25*i*A)
Note 8) J4-axis allowable load moment when 30kg payload mode is selected. (CRX-25*i*A)

Food Grade Variant

・Food grade variant is supported for all models.

CRX-5*i*A   **CRX-10*i*A**   **CRX-10*i*A/L**   **CRX-20*i*A/L**   **CRX-25*i*A**

FANUC WEB Site

FANUC WEB Site Home	CRX	Peripheral Devices for Plugin	Application Examples	YouTube

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