

重新認識  
協作機器人





本體僅 40kg

2個機種一樣輕盈

負載能力: 10kg  
動作半徑: 1418mm

負載能力: 10kg  
動作半徑: 1249mm

CRX-10iA

CRX-10iA/L

重複精度  $\pm 0.04\text{mm}$

更安全

國際安全認證：

- ISO 10218-1
- ISO/TS 15066
- EN ISO 13849-1  
(Cat. 3, PL d)

FANUC  
TAIWAN



1~2kgf

非常敏感的「接觸停止」功能

	
	
<b>CERTIFICATE</b> No. Z10 018921 0241 Rev. 00	
<b>Holder of Certificate:</b>	FANUC CORPORATION 3580, Shibokusa Aza-Komanba Oshino-mura Minamitsuru-gun, Yamanashi 401-0597 JAPAN
<b>Factory(ies):</b>	018921
<b>Certification Mark:</b>	
<b>Product:</b>	Dual-check Safety system Robot Controller for Collaborative Robot Application
<b>Model(s):</b>	FANUC System R-30iB Mini Plus for CRX-10iA, CRX-10iA/L Robot
<b>Parameters:</b>	Max. limit for external force: 150N Operating ambient temperature: 0°C ... +45°C
<b>Tested according to:</b>	2006/42/EC EN ISO 13849-1:2015 (Cat. 3, PL d) IEC 61000-6-7:2014 ISO 10218-1:2011 ISO/TS 15066:2016
The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.	
<b>Test report no.:</b>	717519530
<b>Valid until:</b>	2025-06-16
<b>Date,</b>	2020-06-17  ( Christian Dirmeier )
Page 1 of 1 TUV SUD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany	
	

更簡單

# 手拉教導

(一定要自己體驗看看才知道差異)

不需要  
Robot  
專門知識

直覺

輕盈的  
操作感

直接手拉操作



更簡單

# 直覺的操作畫面

FANUC  
TAIWAN

觸控  
操作

## 狀態列

選單  
以圖示(icon)表示狀態

## 3D View 區域

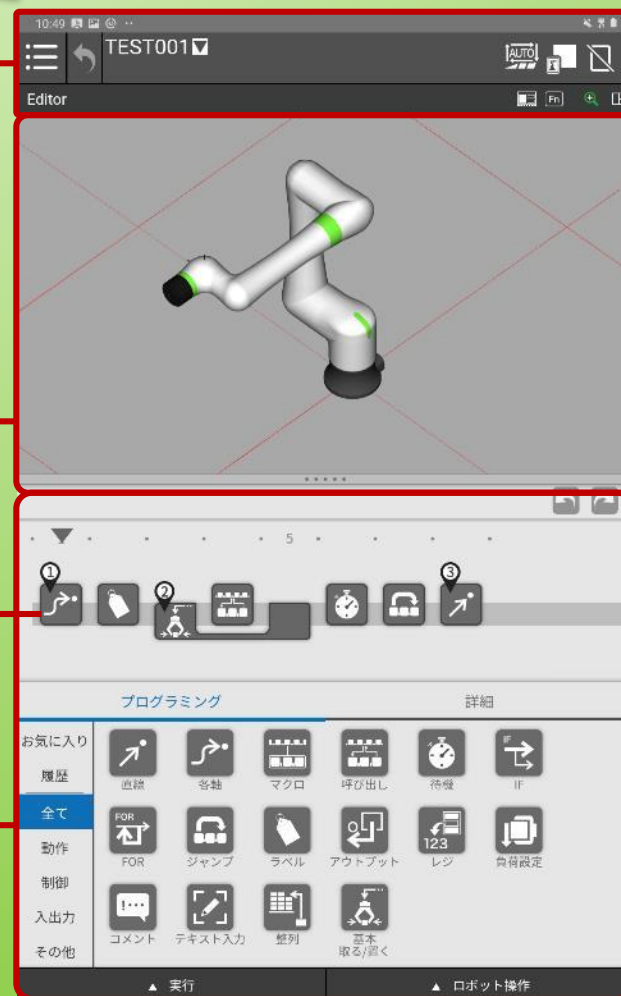
以3D圖同步顯示Robot目前姿勢

## 時間軸

直覺易懂的全新程式介面

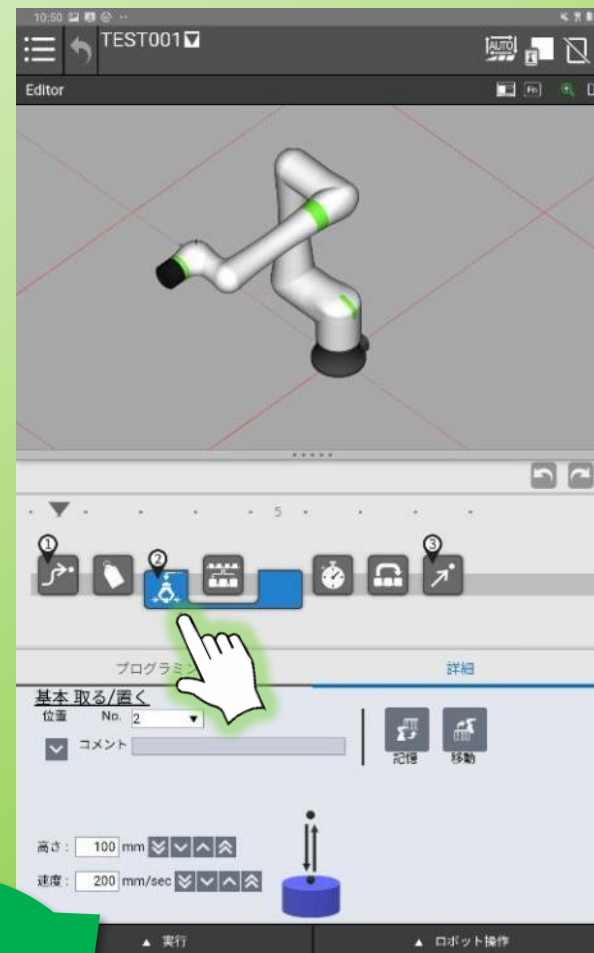
## 程式區域

拖放到時間軸  
細部用參數微調



更簡單

拖放到  
時間軸



就是這  
麼簡單

更快速



一目了然的狀態



■  
綠色 (亮燈): 協働模式  
綠色 (閃爍): 手拉教導中



■  
黃色: 非協働模式

\*配置安全區域感測器(Area Sensor)，動作速度可更快



■  
紅色: 異常停止

協働模式最高速度1000mm/s

非協働模式最高速度2000mm/s

Model		CRX-10 <i>i</i> A	CRX-10 <i>i</i> A/L
Type		6 axes (J1, J2, J3, J4, J5, J6)	
Reach		1249 mm	1418 mm
Installation (Note 1)		Floor, Upside-down, Angle mount	
Motion range (Maximum speed) (Note 2)	J1 axis	380° (120°/s) 6.63 rad (2.09 rad/s)	360° (120°/s) 6.28 rad (2.09 rad/s)
	J2 axis	360° (120°/s) 6.28 rad (2.09 rad/s)	
	J3 axis	570° (180°/s) 9.95 rad (3.14 rad/s)	540° (180°/s) 9.42 rad (3.14 rad/s)
	J4 axis	380° (180°/s) 6.63 rad (3.14 rad/s)	
	J5 axis	360° (180°/s) 6.28 rad (3.14 rad/s)	
	J6 axis	380° (180°/s) 6.63 rad (3.14 rad/s)	
Maximum speed (Note 2, 3)	Collaborative mode	1000 mm/s	
	High speed mode	2000 mm/s	
Max. load capacity at wrist		10 kg	
Allowable load moment at wrist	J4 axis	34.8 Nm	
	J5 axis	26.0 Nm	
	J6 axis	11.0 Nm	
Allowable load inertia at wrist	J4 axis	1.28 kg·m <sup>2</sup>	
	J5 axis	0.90 kg·m <sup>2</sup>	
	J6 axis	0.30 kg·m <sup>2</sup>	
Repeatability (Note 4)		±0.04 mm	
Mass (Note 5)		40 kg	
Noise (Note 6)		70 dB or less	
Degree of protection		IP67	
Installation environment		Ambient temperature : 0 to 45°C Ambient humidity : Normally 75% or less (No dew nor frost allowed) : Short term 95%RH or less (within one month) Vibration acceleration : 4.9m/s <sup>2</sup> (0.5G) or less	
Matching controller R-30 <i>i</i> B Mini Plus	Rated Voltage	AC 100-120V, AC200-240V Single phase , 50/60Hz	
	Inpu power source capacity	1.5KVA	
	Mass of controller	20 kg	
	Dimensions(WxDxH)	410×277×370 mm	
	Degree of protection	IP54	

Note 1) Angle mount needs motion range restriction according to with the payload.

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 assessment of system.

Note 4) Compliant with ISO9283.

Note 5) Without controller.

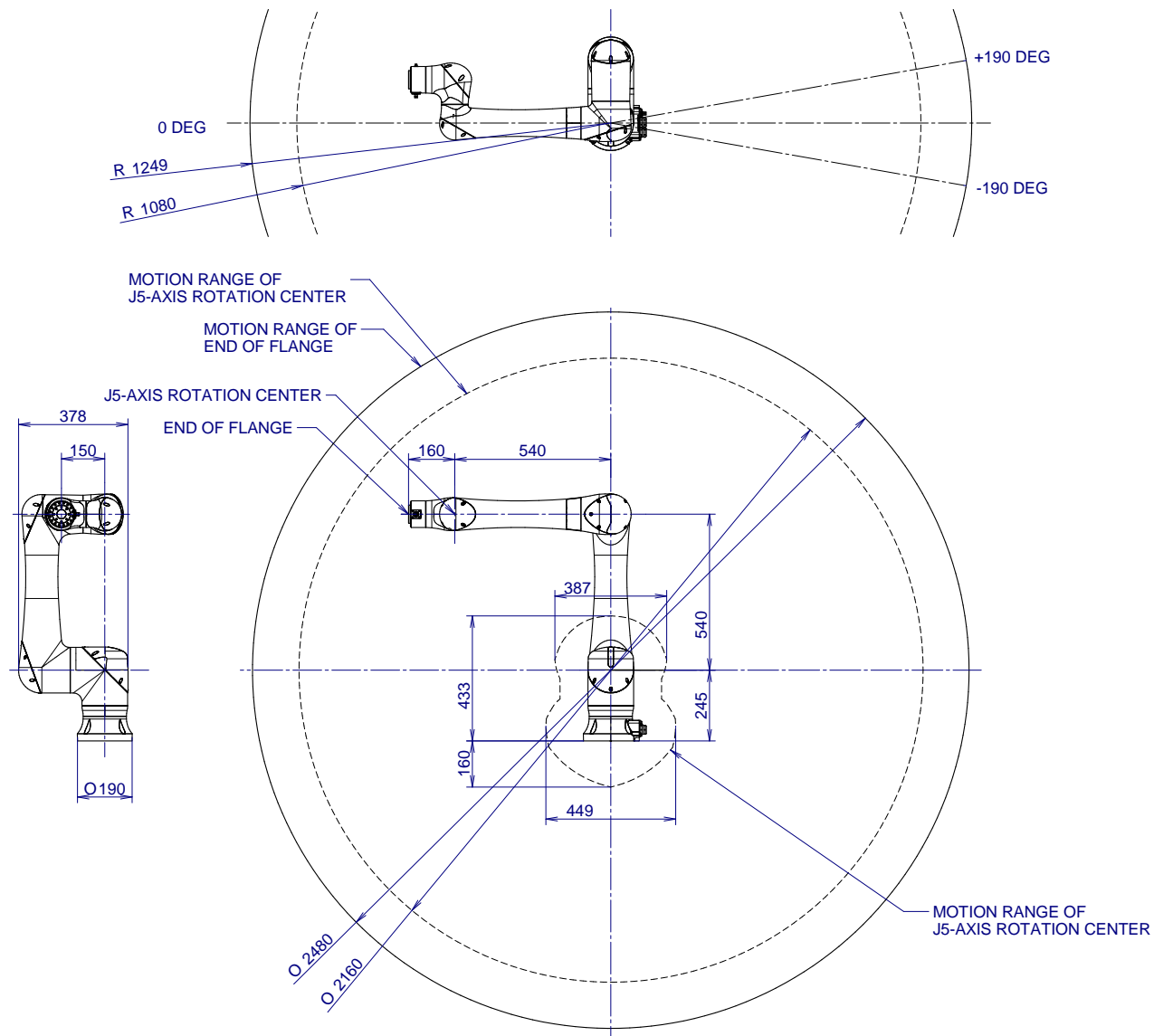
Note 6) This value is equivalent continuous A-weighted sound pressure level that applied with ISO11201(EN31201)

This value is measured with the following conditions.

- Maximum load and speed - Operation mode is AUTO



# CRX-10iA



# CRX-10iA/L

