

Medium Type Multi-purpose Robot **LA-1800**



Payload
26 kg
LA-1800



LA-1800GIII

High payload capacity

High class performance*1 >

26 kg payload

High-speed operation

High class performance*1 >

Maximum motion speed: **370°/s** (average for all axes)

Wide working range

High class performance*1 >

Maximum working range **1 801 mm**

*1 Available to the medium type material handling robot with the payload capacity 15 kg or more and fewer than 30 kg. (according to our research as of February 2019)

Various applications

● Materials handling style

- Transport/Assembly/Processing work
- Collaboration with welding robots

● Welding style*2

- TAWERS (WGIII/WGHIII)
- External welding machine

● Hybrid style*2

- Simultaneously installed tool & torch
- Fixed torch

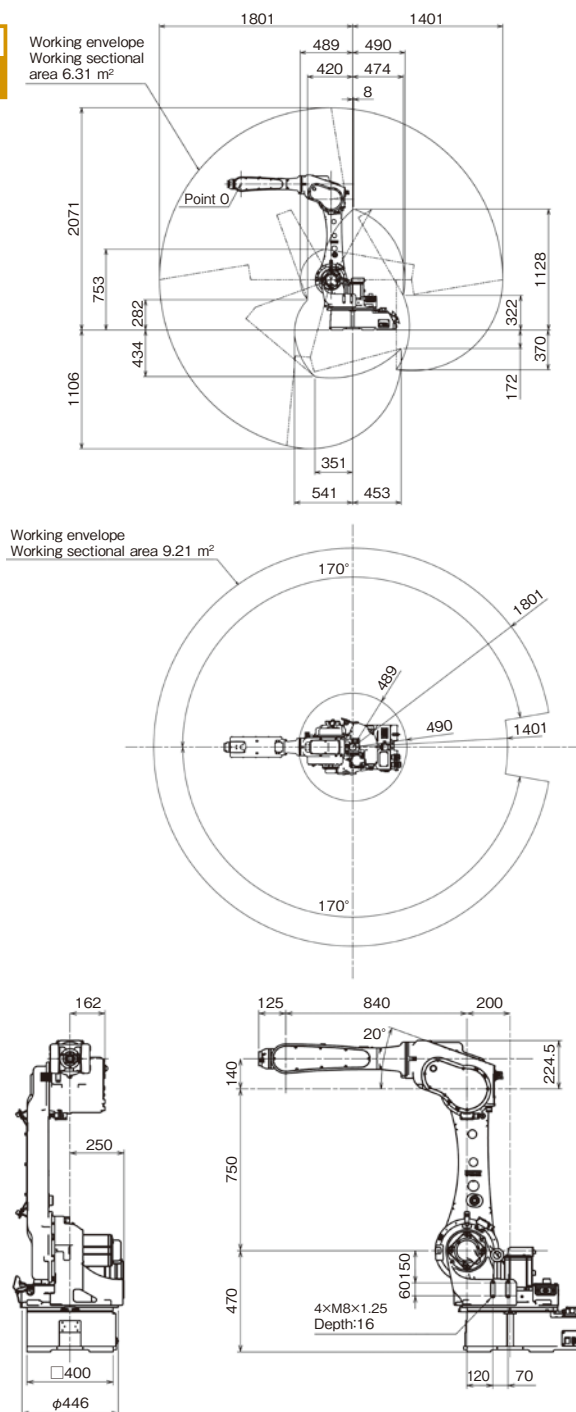


Hybrid style
(tool & torch)

*2 Not all of the styles we can produce, depending on the application or welding method etc., please consult us for details.

Dimensions & Working Envelope (Unit: mm) For working envelope of point O, consult us.

Long Type LA-1800



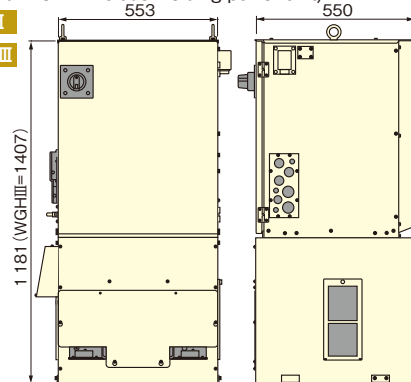
Controller external dimensions

(WGIII and WGHIII include welding power unit)

WGIII

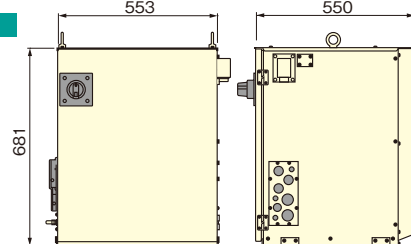
WGHIII

(mm)



GIII

(mm)



Combination with WGHIII or GIII is built to order.

Manipulator General Specifications

Model		LA-1800
Type		Multi-purpose Medium Type
Structure		6 axis articulated
Payload		26 kg
Maximum Reach		1 801 mm
Minimum Reach		489 mm
Working Range		1 312 mm
Max. Motion Speed	RT (Rotating Trunk)	201°/s
	UA (Upper Arm)	199°/s
	FA (Forearm)	218°/s
	RW (Rotating Wrist)	434°/s
	BW (Bending Wrist)	450°/s
	TW (Twisting Wrist)	720°/s
Position Repeatability		±0.07 mm
Motors	Total Power	6 600 W
	Brakes	All axes
Mounting		Floor/Ceiling*
Weight		320 kg

*Ceiling mount type is factory optional.



Safety precautions

● Before attempting to use any welding product always read the manual to ensure correct use.

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● Specifications are subject to change without notice.

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