

**NEW**

## Small Type Arc Welding Robots **TS Series**

### The Arc Welding Robot System **TAWERS**

Payload:  
**8 kg**  
TS-800/950



### Succeed TAWERS' welding performance

#### ● Various welding styles

Super Active TAWERS / TAWERS-TIG / TAWERS or others

【TW axis: Hollow arm】

Torch type selectable between through-arm and external



【Separate wire feeder】  
Free layout

### Improve small work productivity

#### ● Space saving

48 % smaller footprint

(example of one customer, compared with our TM-1100)

Floor/Wall/Ceiling mount

(Ceiling mount type is special specification.)

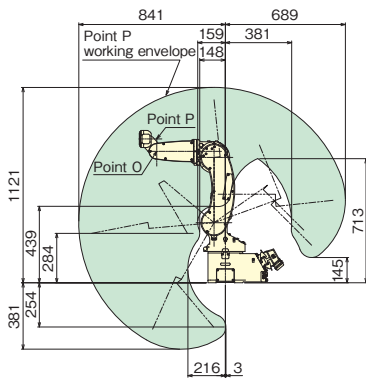
#### ● High speed despite 8 kg payload

Maximum motion speed: 540°/s

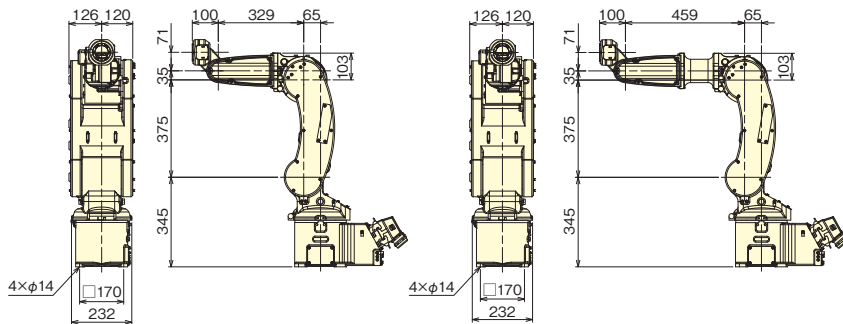
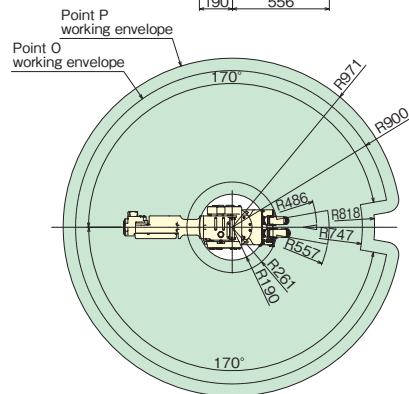
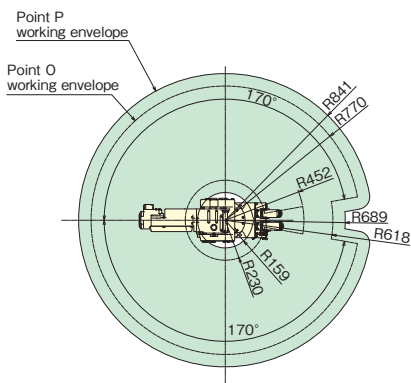
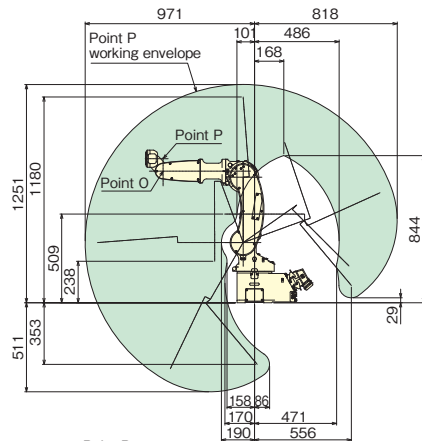
(average for all axes)

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

## Short Type TS-800



## Short Type TS-950



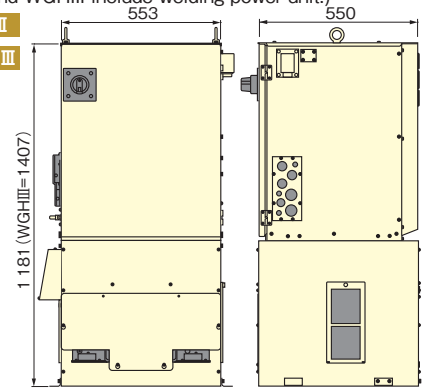
## Controller

(WGIII and WGHIII include welding power unit.)

WGIII

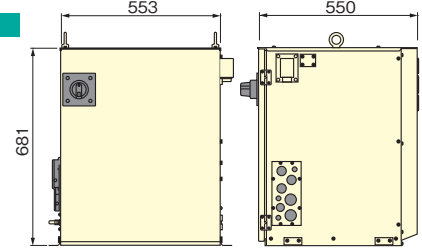
WGHIII

(mm)



GIII

(mm)



Combination with WGHIII or GIII is built to order.

## Manipulator General Specifications

Model	TS-800	TS-950
Type	Short arm	Short arm
Structure	6 axis articulated	
Payload	8 kg	
Maximum Reach	841 mm	971 mm
Minimum Reach	159 mm	190 mm
Working Range	682 mm	781 mm
Max. Motion Speed	RT (Rotating Trunk)	326°/s
	UA (Upper Arm)	326°/s
	FA (Forearm)	510°/s
	RW (Rotating Wrist)	518°/s
	BW (Bending Wrist)	518°/s
TW (Twisting Wrist)	1 040°/s	
Position Repeatability	±0.05 mm	
Motors	Total Power	2 100 W
	Brakes	All axes
Mounting	Floor/Ceiling*1/Wall*2	
Weight	55 kg	56 kg

\*1: Ceiling mount type is factory optional.

\*2: Setting by service personnel is necessary.

Working range of RT axis is limited.

**⚠ 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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