Table Top Robot TTA Series

Improved Tabletop Robot for Cell Production Applications, Featuring Significantly Higher Payload, Maximum Speed and Rigidity!

1. Significantly Higher Payload and Maximum Speed

		Conventional model	TTA
Maximum payload (kg)	Work part side (X-axis)	10	20
	Tool side (Z-axis)	2	5
Maximum speed (mm/sec)	X-axis	300	800
	Y-axis	300	800
	Z-axis	300	400

➡ Up to 2.5 times

➡ Up to 2.6 times

2. Stores Much More Programs and Positions

The larger memory lets you store much more programs and positions. The additional data recovery function makes sure the original data can be restored should writing to a FLASH drive fails due to a power failure.

	Conventional model	TTA
Number of programs	64	255
Number of program steps	6,000	9,999
Number of multi-tasking programs	16	16
Number of display languages	2 (Japanese/English)	2 (Japanese/English)
Number of positions	3,000	30,000 (*1)

*1: 10,000 points can be backed up in the system memory.

➡ 4 times more

➡ 10 times more

3. Three Times As Many I/O Points As Conventional Models

When the standard I/O slot isn't enough, up to two additional expansion I/O slots can be installed.

Inputs/outputs

16 points/16 points ➡ Up to 48 points/48 points (*)

(*)When the expansion I/O slot (coming soon) is added

3 times more

Supporting field networks

CC-Link DeviceNet PROFIBUS EtherNet/IP (Coming soon)

4. More Variations

Four operating ranges are available to choose from.
The 3-axis specification is available in two types of Z-axis strokes:
100mm and 150mm.
You can select a model ideal for the size of your work part.
Additional options let you change the Y-axis height and position.

* You can also custom-order 4-axis robots.

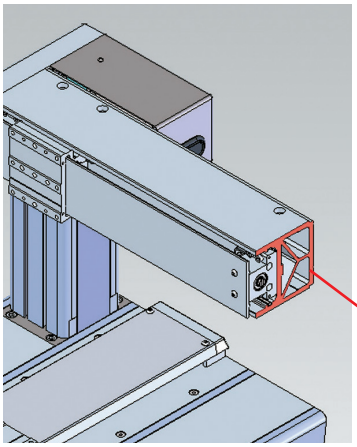

200×200


300×300


400×400


500×500

5. Greater Bending Rigidity is Achieved by Integrating the Structure of the Y-axis Base with the Mounting Bracket.

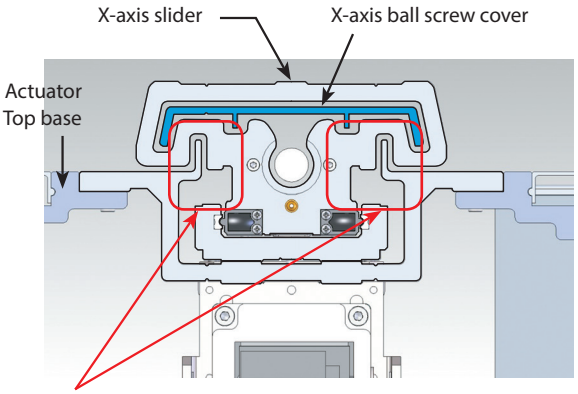


Bending rigidity at least 1.5 times higher than the conventional model

Y-axis base & mounting bracket in one
Integral Structure

6. Labyrinth Structure to Suppress Intrusion of Foreign Matter into X-axis

The X-axis opening is structured as a labyrinth in order to make it difficult for foreign matter dropping onto the actuator (such as screws, molten metal, dust, etc.) to enter the X-axis. This expands the types of work environment supported.



John Henry Foster (JHFoster) is a leading distributor and service provider for automation and compressed air systems. Our mission is to assist companies like yours automate their manufacturing applications to make the process a positive journey. We are committed to providing successful solutions that exceed production demands, reduce costs, and increase overall efficiencies.

Headquartered in Eagan, MN, with a location in Fargo, ND, we also offer a fully-equipped team of mobile technicians that provide service to the 5-state area. Contact us today at 800.582.5162 or jhfoster.com to learn more about how you might benefit from knowing us.