

Fuji has started accepting orders for SmartWing Panel Assembly Robot Cell (SW-BA).

Orders for the SmartWing Panel Assembly Robot Cell have started from April 2021.

Fuji Corporation (headquarters: Chiryu, Aichi; president and COO: Mr. Shinsuke Suhara; hereafter referred to as "Fuji") has developed a new Panel Assembly Robot Cell as part of the Advanced Robot Cell series for the Compact Multijoint Robot SmartWing, purpose built to contribute to automating manual work in the panel assembly process. Orders for the Panel Assembly Robot Cell (SW-BA) have started from April 2021.



Development background

In the current manufacturing climate, with a shrinking working population and the current circumstances caused by COVID-19, difficulty in maintaining operation has become the norm. Because of this, we are expecting that the use of robots in various settings will be expanded in the future. Especially in the SMT industries, the demand for automation of manual panel assembly processes is becoming higher than ever before. Focusing on the automation of manual insertion processes, Fuji has cultivated solution packages that contain the various functions necessary to address this need. In doing so, Fuji has developed a product that is low cost and easy to install, and for which customers do not need to provide a conceptual design.



Product features

- (1) Equipped with the newly developed SmartWing SCARA Robot.
- (2) Achieves low-cost and short lead time by providing the necessary functions as a package solution.
- (3) It is possible for people who do not have robot-related experience or knowledge to operate because the dedicated operation tool only requires simple data entry.
- (4) Achieves high accuracy insertion by using the newly developed workpiece camera and wrist camera when compensating the insertion position.
- (5) Loose workpieces and tray workpieces can be supplied as is. Consolidated processes of distribution and insertion in the Robot Cell.

Future plans

We plan to be able to ship 30 "Panel Assembly Robot Cells" in the first year, and increase that to 60 in the following year.

Company profile

Company:	FUJI CORPORATION
Representative:	Shinsuke Suhara, President & COO
Location:	19 Chausuyama Yamamachi, Chiryu, Aichi, Japan 472-8686
Established:	April 1959
Business divisions:	Manufacturing and sales of electronic component mounter robots and machine tools
Capital :	5,878 million Yen
URL:	https://www.fuji.co.jp/en/

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