

PRESS RELEASE

10/03/2017



New technology for teaching robots and guiding humans

Mitsubishi Electric will demonstrate a new compact 'Direct Teach Pendant' for small robots and a quality improving pick-to-light system for manual assembly tasks at the Med-Tech Innovation show 2017.

Mitsubishi Electric is on Stand 54a for the Med-Tech Innovation show at the RICOH Arena, Coventry from 26 - 27 April 2017

Famous for its efficient and reliable small articulated arm and SCARA robots, Mitsubishi Electric is now offering the ultimate in programming flexibility; a hand-held Direct Teach Pendant. It enables the operator to physically teach a standard, or clean room robot movements and action sequences without a complex software interface. The RV2 Robot Direct Teach function enables operators to quickly and easily vary the capacity, volumes and types of products being produced or tested by a robot, making it ideal for both medical and laboratory applications.

Moving on from reliable robots to more consistent, error free humans, Mitsubishi Electric will also be demonstrating its latest Guided Operator Solutions at the show. The system is dedicated to preventing mistakes in manual parts picking and assembly tasks and is enabling device manufacturers to actively improve their quality processes whilst also reducing operating costs.

To control picking sequences the system uses a combination of indicator lights, touch sensors, light curtains and door mechanisms that can be applied to parts bins. High resolution HMI screens are used to display assembly instructions and provide operator feedback, while PLC control allows for a scalable solution depending on the application's complexity. The use of a PLC also allows for easy integration into

existing automation and IT platforms, providing vital data for quality improvement and management systems. For the operator it makes each new assembly task far easier to complete quickly and accurately.

Both applications are designed to improve production processes and assembly tasks for the medical, pharmaceutical and life science industries. Visitors to the show will however be able to form their own opinions based on direct experience, as there will be an interactive display on the Mitsubishi Electric stand (54a) for people to have a go at teaching a robot, and see Guided Operator Solutions components in action.

About Mitsubishi Electric

With over 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 124,000 employees the company recorded consolidated group sales of 39.3 billion US Dollar* in the fiscal year ended March 31, 2014. Our sales offices, research & development centres and manufacturing plants are located in over 30 countries. Mitsubishi Electric Europe, Industrial Automation – UK Branch is located in Hatfield, United Kingdom. It is a part of the European Factory Automation Business Group based in Ratingen, Germany which in turn is part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of Industrial Automation – UK Branch is to manage sales, service and support across its network of local branches and distributors throughout United Kingdom.

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