

Plug-in - for perfect manual assemblies

Mitsubishi Electric is offering its Guided Operator Solutions (GOS) as a self-assembly plug and play flexible automated picking system, making it possible to achieve perfect production line assembly tasks every time.

We are 'only' human. Give us a repetitive and strictly controlled sequence of actions to do and if there isn't a little creativity in there to keep us stimulated, then most of us will inevitably get something wrong. Not ideal for an assembly technician working for zero assembly defects.

The design of GOS is based on simple assembly and operation principles, although it contains a highly advanced automation controller, sensors and operating software and follows the principles of 'Poka-yoke' which translates from Japanese as 'mistake-proofing'.

Picking stations, or terminals, are easily installed on pipe racking and connected via a single network cable that joins each device and links back to the main controller. Intuitive connectors also enable fast installation of networks without the need to cut or strip wires. Terminals are quickly set up with an address writer and using dedicated software they can be directly mapped to the controller. This allows the applications to be easily configured, programmed and maintained.

GOS offer a variety of terminal types; they range from a simple LED and push button device through to servo operated doors. Options for lever switch and photoelectric terminals are also available. Instructions can be displayed on monitor screens or touch-screen HMIs allowing the user to select and accept tasks, keep track of production batches and even make improvements to the layout and appearance of instructions.

The result is that using Mitsubishi Electric's Guided Operator Solutions, 'human' picking and assembly mistakes can be easily eliminated, helping to reduce waste, improve quality and boost productivity. It also increases operator involvement and can improve speed and satisfaction for a job well-done.

Everyone, as they say, is a winner!

Image Caption: Mitsubishi Electric's Guided Operator Solutions reduce waste, improve quality and boost productivity by helping operators avoid picking and assembly mistakes.

[Source: Mitsubishi Electric Europe B.V.]

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Note to Editor: if you would like the text in another language please contact Carolin Heel at DMA Europa – carolin@dmaeuropa.com.

About Mitsubishi Electric

With nearly 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) 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, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of approximately 40.7 billion dollars* in the fiscal year that ended on March 31, 2019.

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 the United Kingdom.

**At an exchange rate of 111 Yen = 1 US Dollars, last updated 31.03.2019 (Source: Tokyo Foreign Exchange Market)*

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