

Quality management and digitalisation in manual assembly operations

SPS IPC Drives 2017, 28th –30th November 2017, Nuremberg
Hall 7 / Stand 7-391

At SPS IPC Drives 2017, Mitsubishi Electric's Guided Operator Solutions for manual assembly applications will demonstrate how improvements in quality and productivity can be achieved. These solutions also enable the seamless transfer of production data from manual assembly operations to higher-level enterprise systems, supporting the digital transformation within manufacturing.

Mitsubishi Electric's [Guided Operator Solutions](#) are already being used by leading automotive OEMs to aid with quality control in manual assembly processes and efficient stock handling. Similarly, customers are using the solutions for assembly operations in the semiconductor industry to optimise product quality management. Among the many other areas of interest are life sciences and medical device assembly applications.

Giving the operator a clear visual indication of which parts to pick and in what sequence, the Guided Operator Solutions help to improve quality. This is especially important for today's assembly operations that are becoming increasingly complex and as the costs of addressing potential quality problems grow.

Components are frequently sourced from many different locations around the world for assembly at a single location, and any given product might be assembled from a host of different parts which can look superficially similar to neighbouring components. The Guided Operator Solutions are proven to eliminate picking mistakes for these components.

At the same time, the Guided Operator Solutions can provide a link between the operator and the higher-level ERP/MES business systems. This, for example, enables new product specifications to be sent to manual assembly work places, and inventory tracking reported back from production for analysis.

Mitsubishi Electric's Guided Operator Solutions are based on [MELSEC](#) PLCs and [GOT series](#) HMIs, complemented by a full range of switch types, photo-electric sensors, light curtains and door devices.

Note:

Learn more about Mitsubishi Electric's presence at SPS IPC Drives
eu3a.mitsubishielectric.com/SPS

See how Mitsubishi Electric is able to respond to today's automation demands:
eu3a.mitsubishielectric.com/fa/en/solutions

Photo Caption: Guided Operator Solutions enable the seamless transfer of production data from manual assembly operations to higher-level enterprise systems.
[Source: Mitsubishi Electric Europe B.V., Getty Images]

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Note to Editor: if you would like the text in another language please contact Philip Howe at DMA Europa – philip@dmaeuropa.com.

About Mitsubishi Electric

With over 95 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation is a recognised 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, transportation and building equipment.

With around 142,340 employees the company recorded consolidated group sales of Yen 4,431.1 billion (\$ 41,8 billion*) in the fiscal year that ended on March 31, 2018.

Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

Factory Automation – European Business Group

Mitsubishi Electric Europe B.V., Factory Automation - European Business Group (FA-EBG) has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of FA-EBG is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

*Exchange rate 106 Yen = 1 US Dollars, last updated 31.03.2018 (Source: Tokyo Foreign Exchange Market)

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