

EMO 2019

Plug & Play robots for machine tools

increase competitiveness

Hanover, Germany, 16th – 21st September 2019

Faster time to market and increased production flexibility can be achieved using Mitsubishi Electric's M8 Series CNC controllers with Direct Robot Control (DRC) functionality. Both the large touchscreen M800 and the M80 models offer DRC as standard. It allows machine tool operators to program and use robots quickly, direct from the CNC panel without specialist robot programming expertise.

The easy integration of robots for loading and unloading, or secondary operations such as marking parts has the potential to deliver significant benefits to commercial machining operations. Mitsubishi Electric robots and models from KUKA will work seamlessly with [DRC](#) enabled controllers from Mitsubishi Electric. The CNC controller and robot are connected using high-speed Ethernet, which allows fast, convenient Plug & Play integration.

The other major benefits of on-CNC robot control are cost savings; a separate robot control unit no longer has to be purchased for example. Furthermore, robot specialists aren't needed to alter less complex actions, as the operators can make changes to robot functions themselves by programming in G-code via the CNC.

Mitsubishi Electric is one of the top three CNC manufacturers, serving many of the world's most successful machine tool companies, so these solutions are likely to appear soon on many shop floors. Manufacturers and machine tool operators will both benefit from robots being used for repetitive tasks on shorter production runs. More flexible operation and higher production volumes lead to improved competitiveness and the opportunity for increased profit.

More information <https://www.mitsubishi-cnc.de/further-solutions.html>

CNC and factory automation solutions from Mitsubishi Electric at EMO 2019 are located at: Hall 9 / D40.

Wire cutting and die sinking EDM machines from Mitsubishi Electric are located at: Hall 13 / B92.

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Image 1: Manufacturers can achieve faster time to market and increased production flexibility by using Mitsubishi Electric's M8 Series CNC controllers with Direct Robot Control (DRC) functionality for automated machine tools. [Source: Mitsubishi Electric Europe B.V.]

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About Mitsubishi Electric

With nearly 100 years of experience in providing reliable, high-quality products, 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, energy, mobility and building technology, as well as heating, cooling and air-conditioning technology.

Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavours to be a global, leading green company, enriching society with technology.

With around 145,800 employees the company recorded consolidated group sales of 40.7 billion US Dollar* in the fiscal year ended March 31, 2019.

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

Factory Automation EMEA – CNC

Mitsubishi Electric Europe, CNC is located in Ratingen near Dusseldorf, Germany. It is a part of the Factory Automation - European Business Group based in Ratingen, Germany which in turn is part of Mitsubishi Electric Europe B.V. that has been represented in Germany since 1978, a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of the Factory Automation EMEA – CNC is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

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

Further Information:

www.mitsubishi-cnc.en

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