

EMO 2019

Easy IT connectivity for machine tools

Mitsubishi Electric CNCs demonstrate support for umati machine tool networking technology at EMO 2019.

Hanover, Germany, 16th – 21st September 2019

The implementation of umati (universal machine tool interface), which enables machine tools to exchange and share information efficiently, has tremendous potential for optimising production. Mitsubishi Electric, together with more than 50 machine tool manufacturers, is helping to show how the digitalisation of production can be achieved in a joint live umati demonstration during the EMO 2019 exhibition.

The networking of machines, systems and software is described as “one of the most important trends in manufacturing” by the German Machine Tool Builders’ Association (VDW). The organisation also states that “today’s customers expect to be able to integrate new machines into their own IT ecosystems with no difficulty” and that umati is designed to achieve this “easily, quickly and securely”.

Using umati ¹can help machines and devices to communicate efficiently through one language. It offers a common interface using the

¹ The acronym “umati” stands for “universal machine tool interface”. It is intended to become a standardised, open, flexible and secure interface to connect machine tools to higher-level IT systems in production environments (e.g. ERP, MES, or peripheral infrastructure like cloud storage).

international interoperability standard OPC UA. The VDW is describing umati as representing "a quantum leap in the implementation of Industry 4.0 in production."

Frederik Gesthuysen, Marketing Manager CNC, Factory Automation EMEA, Mitsubishi Electric Europe B.V., confirms "We are supporting umati, as we believe it is an important technology and one of the key tools for realising the digitalisation of machine tools in manufacturing industry."

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: Machine tool users can optimise production and easily integrate new machines into their own IT ecosystems by using umati, an interface supported by Mitsubishi Electric CNC controllers.

[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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