

Media Relations:

Mitsubishi Electric Turkey Official PR Agency

Inomist Communication Consultancy

Sibel Selvi Arslantürk sibel@inomist.com

+90 216 639 60 16 / +90 533 441 80 33

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Next Generation CNC Technology Providing Flexible and Efficient Manufacturing

Mitsubishi Electric provides easy and intuitive user experience similar to smartphones with its CNC products

One of world's biggest brands in the fields of electrics, electronics and automation with its reliable and high quality products, Mitsubishi Electric sets the standard in numerous industries, mainly being automotive and metal working industry with its next generation CNC products. Stating that they are providing advanced technology solutions in order to contribute to advancing manufacturing quality of Turkey even further during Industry 4.0 phase, Mitsubishi Electric Turkey Factory Automation

Systems Mechatronics CNC Department Senior Manager Hakan Aydın informed us about new product series such as M80 and M800 CNC control units that make faster and more precise manufacturing possible.



Providing leading machine manufacturers with CNC products and solutions, technology giant Mitsubishi Electric strives to increase the added value it presents to manufacturers with CNC processing centers and CNC lathe machines. Stating that they are providing advanced technology solutions in order to contribute to advancing manufacturing quality of Turkey even further during

Industry 4.0 phase, **Mitsubishi Electric Turkey** **Factory Automation**

Systems Mechatronics CNC Department Senior Manager Hakan Aydın informed us about their studies aimed towards Turkish machinery industry and also talked about M80 and M800 series CNC control units included in their innovative product range.

"We help Turkish industry adapt to rapidly increasing competition"

Stating that Turkey is higher on the list compared to numerous European countries in terms of population density, young work force and work quality, Hakan Aydın said; "One of the driving lines of work of our country, the machinery industry will grow stronger during Industry 4.0 era. We, as Mitsubishi Electric, strive to help Turkish industry adapt to rapidly increasing competition conditions with advanced technology innovative products, quality service and spare parts services, project design studies designed with our engineering knowledge and know-how as well as post-sales services which we pay great attention to."

Manufacturing processes are becoming much more efficient

Stating that new generation products they provide to industry professionals with features such as optical communication, high speed and high precision processing, high front buffer capacity, data server functions provided as standard make manufacturing processes much more efficient, Hakan Aydın finished his words saying; "CNC users choose our new generation products for their more economical, faster and more precise manufacturing goals. We strive to increase the added value it presents to manufacturers with CNC processing centers and CNC lathe machines. Included in the product range in this prospect, M80 and M800 series CNC control units are constantly being improved."

Advanced optimization even under precise workload

Saying that next generation M80 and M800 series can support systems of up to 32 axis, eight spindles and eight components with its multi-spindle synchronization control, Aydın also shared this information with us; "The series that incorporate Mitsubishi Electric's problem-free surface control function can optimize acceleration and deceleration of each axis even during precise operation. Enabling higher precision in the same duration or reduced cycle-times with uncompromised precision, the series can even be used in simultaneous, five axis machine operations. M800 CNC control units stand out as a high end control device designed for high-speed and high-precision machine operations and multi-axis and multi tool system control. M80 with CNC-dedicated CPU provides an ideal solution for high efficiency and ease of use in relatively simpler machine system with less axes and spindles used. The CPU designed

specifically for CNC industry by our brand provide increased processing speed for machine performance supported with faster machinery response and more precise machine operations.”

Multi-touch capacitive touch screen



Stating that M80 and M800 series CNC control units stand out with their screen and keyboard design, Aydın said; "The new series streamline the operation of future oriented CNC's that appeal to new generation operators who grew up with technologies such as smartphones and tablets. High resolution screens include; 8.4 inch, 10.4 inch, 15 inch and 19 inch options in the new series. Multi-touch capable capacitive touch-

screen panel which is standard for 10.4 inch or bigger screens provide smartphone-like easy and intuitive user experience to both experienced and new operators. This feature which brings an end to difficult key presses, each section can be viewed with ease while a menu in another screen can be selected with ease. Also, new screens make daily maintenance a breeze with their long lasting, sturdy glass structure. Horizontally and vertically mountable keyboards are also included in the product ecosystem" finishing his words.

About Mitsubishi Electric Corporation

With over 95 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, 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 4,444.4 billion yen (in accordance with IFRS; US\$ 41.9 billion) in the fiscal year ended March 31, 2018. For more information visit: www.MitsubishiElectric.com*

**At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018.*

About Mitsubishi Electric's Activities in Turkey

Mitsubishi Electric's main fields of activity in Turkey are; air conditioning systems, industrial automation systems, advanced robot technologies, CNC mechatronics systems, elevator and escalator systems and visual data systems. Designating Turkey whose power and potential it believes in as a major production headquarter, Mitsubishi Electric produces energy efficient and environment-friendly air conditioners for Europe and Turkey in its digital factory in Manisa which is the brand's first room air conditioner factory in Europe. Working to integrate factories of Turkish industry into digital transformation period, Mitsubishi Electric also draws attention with its automation technologies in the world's deepest sunken tube tunnel, the Marmaray project. Operating in several fields in Turkey such as automotive components, semi-conductor devices, transportation and energy systems, Mitsubishi Electric applies its radar technology which is developed for airports to increase safety for airplanes and flights within its operations in public systems in Antalya Airport. One of the leading developers in space research and development systems, Mitsubishi Electric is also the manufacturer of Turksat 4A and 4B satellites which contributes to Turkey's and neighboring countries' communication and broadcasting infrastructure. For detailed information; tr.mitsubishielectric.com

About Mitsubishi Electric Turkey Factory Automation Systems

Mitsubishi Electric Turkey Factory Automation Systems; provide added value in terms of rapid integration, productivity, flexibility and productivity to the leading industrial companies in Turkey in various fields such as automotive, food, packaging, metal and PVC processing machines. The new industry, also called "Industry 4.0", responds with e-F@ctory, i.e. the digital factory concept. For more information; tr3a mitsubishielectric.com

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