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Mitsubishi Electric Unveils Its Groundbreaking New M8V CNC Series

One of the world's leading CNC manufacturers, Mitsubishi Electric, introduced the M8V CNC series—the updated version of its M8 series—at the "Shaping The Future" themed launch event held in Istanbul. Delivering nearly a 12% improvement in cycle times compared to the previous series, the new M8V CNC series opens the door to a new era for manufacturers with key advantages such as standard drag-and-drop functionality, multi-touch support, WLAN wireless networking features, next-generation technologies, higher speeds, and enhanced surface precision

Mitsubishi Electric Turkey Factory Automation Systems introduced the game-changing new M8V CNC series at its "Shaping The Future" launch event held in Istanbul. Hosted by Jun Horibe, Vice President of Mitsubishi Electric Turkey, and Nurettin Geçgel, General Manager of Mitsubishi Electric Turkey Factory Automation Systems, the event began with opening speeches by Jun Odawara, CNC Division Manager of Mitsubishi Electric Europe; Ito Yuhi, Senior Manager of the Business Development Department at Mitsubishi Electric Corporation; and Hakan Aydın, Mechatronics CNC Department Manager of Mitsubishi Electric Turkey Factory Automation Systems. Comprehensive information was shared about the series, which has offered high performance with its intuitive and user-friendly interface and has been the first in its field to feature fully integrated Wi-Fi since its initial launch in July 2021. By combining flexibility with functionality and new technologies, the M8V CNC series enables manufacturers to achieve faster and more efficient operations, along with higher productivity and profitability.

In his opening speech at the launch event, Nurettin Geçgel, General Manager of Mitsubishi Electric Turkey Factory Automation Systems, stated:
"As Mitsubishi Electric, in addition to being one of the world's largest CNC manufacturers, we are also a strong solution partner to successful machine tool manufacturers both globally and in Türkiye. We provide professional service and spare parts support for machines equipped with Mitsubishi Electric CNC products. With our innovative control technologies and CNC solutions based on high quality, usability, and advanced network communication, we bring high product quality to industry in Türkiye as well as worldwide. With our CNC technologies developed in light of our deep-rooted innovation heritage, we continue to deliver increasing added value to manufacturers of CNC machining centers, CNC lathes, and CNC laser machines. Our new M8V CNC series, developed to support manufacturers' digital transformation strategies and designed to be as easy to use as smart devices, simplifies the work of professionals across different industrial fields while offering users flexibility through its distinctive design."

A New Era of Flexible and Fast Manufacturing with High Precision, Superior Surface Quality, and Shorter Cycle Times

Emphasizing that the M8V series is equipped with far more advanced technologies compared to the previous generation, Hakan Aydın, Mechatronics CNC Department Manager at Mitsubishi Electric Turkey Factory Automation Systems, stated:

"The new series integrates a CNC-dedicated CPU, innovative OMR-CC control technology, and automatic cutting load control, delivering high-level precision while significantly reducing cycle times. At a time when smart factories and Industry 4.0 are becoming essential requirements, the new M8V CNC series offers technologies such as easy connectivity, direct robot control, and Remote4u as standard, while improving cycle times by approximately 12% compared to previous models. In addition, it can automatically tolerate CAM-related tool path errors by up to approximately 15% compared to the previous series. With look-ahead block counts increased by up to two times compared to the previous generation, the new series delivers higher speed, precision, surface quality, longer tool life, and shorter cycle times simultaneously in metalworking applications." Aydın also added that thanks to the new intuitive design, frequently performed operations—such as adjusting cutting condition parameters that directly affect surface quality, workpiece programming, and tool management—can now be carried out much faster and more easily.