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Mitsubishi Electric presents the new collaborative robot series that work in tandem with humans

Robot and humans will work together to increase efficiency

Leading brand of automation industry, Mitsubishi Electric provides high efficiency in production lines with its new collaborative robot series that work in cooperation with humans. Providing ease of use advantage with their innovative controls and programming options, collaborative robots also play a vital part in Mitsubishi Electric's answer to Industry 4.0 called e-F@ctory. Speed, flexibility, efficiency and cost saving in production, e-F@ctory and advanced robotics enable industrialists to get ahead in the global competition.



Robots play a vital role in e-F@ctory, digital factory concept of Mitsubishi Electric, one of the leading actors of the world in the fields of electrics, electronics and automation. Acting with the understanding that a production lines in digital factories where robots and humans work together are more efficient than production

lines where only robots are involved, Mitsubishi Electric keeps adding value to industry with its new collaborative robot series which works in cooperation with humans.

Mitsubishi Electric's new collaborative robot series are designed specifically to play a role in works in close proximity of humans in factories, unlike the industrial robots that have to stand behind protective barriers due to safety concerns. This series can be flexibly positioned anywhere thanks to their ability to work in cooperation with humans. New collaborative robots

provide ease of use thanks to their innovative controls and programming options, along with high performance. Touch-screen operator terminal which can be plugged to the robot provides an intuitive user interface that allow users to teach robot its job without the need of programming expertise. Teaching function consists of direct control mode which provides operators with the ability to move robot from one position to another by hand and with controlled power. Once installation is completed, operator can wholly remove the terminal to give robots a total freedom of movement.

Road to global competition passes through digital factories equipped with collaborative robots



In order for Turkey to compete on a global scale in a sustainable fashion, production technologies must be developed in compliance with the necessities of Industry 4.0. At this point, it is important to reduce cost while increasing production quality. Robotics systems become prominent as the ideal solution that can provide all these advantages at once. With Mitsubishi Electric's collaborative robots with advanced technology design under the e-F@ctory concept, digital factories become more flexible; speed, quality and efficiency in production increase and drastic cost saving is provided. This way, Mitsubishi Electric provide industrialists with the ability to establish their factories in a way to fulfill the requirements of Industry 4.0. Prior to factory investment, it allows industrialists to shape their investments in accordance with the data received from factory and production simulation as a result of creating a virtual factory and evaluating efficiency. In e-F@ctory concept, all products that make up the factory automation work integrated to one another with open architecture. This way, robots can communicate with other systems on the production line and not only monitor mechanical works but also electronic operations. This way, by optimizing production lines according to individual requirements, adapting to conditions of competition in global market becomes easier than ever.

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 4,238.6 billion yen (US\$ 37.8 billion*) in the fiscal year ended March 31, 2017. For more information visit: www.MitsubishiElectric.com

* It was calculated by 1 USD = 112 Yen exchange rate announced by the Tokyo Foreign Exchange Market on March 31, 2017.

About Mitsubishi Electric's Activities in Turkey

Mitsubishi Electric's main fields of activity in Turkey are; air conditioning systems, factory automation systems, advanced robotics, CNC mechatronic systems, elevator and escalator systems and visual data systems. Mitsubishi Electric, which established a room air conditioner development and manufacturing company in April 2016 in Turkey, began production in Manisa factory in December 2017. Mitsubishi Electric, the producer of Turksat 4A and 4B satellites, which contributes to the communication and publishing infrastructure of Turkey and neighboring countries, is notable for its satellites as well as the automation technology used in the Marmaray project. For more 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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