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## **Kaban Makina, a Leading Global Company, Opts for Mitsubishi Electric**

### **HIGH TECHNOLOGY, SUSTAINABLE AND INNOVATIVE SOLUTIONS FOR FACTORY AUTOMATION**

Kaban Makina, a leading Turkish PVC and aluminium processing machine manufacturer, offers services to various Turkish and international customers since 1986. The factory which manufactures 5 thousand machines every year exports 50 different machines to more than 100 countries. Recognized as an international leader in the industry, Kaban Makina prefers high tech factory automation systems of Mitsubishi Electric for its plants and machines for more than 9 years.

Kaban Makina procures Mitsubishi Electric's reliable, high quality, high performance and long-term servo motors, inverters, operator panels and PLC and CNC control units for its manufacturing processes. As a company that prioritizes standardized and smooth processes for mass production, Kaban Makina prefers Mitsubishi Electric due to the fast services and international technical support advantage it provides in addition to the high quality of its products. Offering superior advantages with its high technology and innovations to an industry marked with intensive competition, Mitsubishi Electric makes significant contributions to Kabina Makina so that it can create difference with its products thanks to the factory automation technology.

#### **High performance, user friendly Servo motors and drives**

Mitsubishi Electric's high performance, user friendly Servo motors and drives are among the products used for the manufacturing processes of Kaban Makina. Industry leading Servo performance. 2.5 kHz frequency rate response of Mitsubishi Electric products makes it possible to realize more sensitive mechanical applications. Patented vibration damping functions allow for a more rigid mechanical optimization. Mitsubishi Electric servo motors which are user friendly thanks to Auto-Tuning easy commissioning quality with a single touch provide a communication structure that is marked with high-speed and low noise communication with the optic communication structure.

### **Good Design 2014 awarded operator panels**

As innovation and speed become increasingly important in the competition in manufacturing industry, Kaban Makina uses Mitsubishi Electric's high speed, innovative operator panels which received Good Design 2014 award. Those panels provide ease of use with its gesture functions enabling it to be used as a tablet and the multimedia support, standard ethernet, serial, USB and SD communication ports and improved processor speed making it possible to perform recording, prescribing, script and various other operations simultaneously guarantee that all visualization needs are duly satisfied.

### **Easy maintenance operations...**

Opting for Mitsubishi Electric owing to its international technical support services inter alia, Kaban Makina also uses superior Integrated PLC Frequency Inverters to facilitate its maintenance operations. Mitsubishi Electric Integrated PLC offers much more than a conventional frequency inverter with its integrated PLC functions. It can drive PM IPM Engine. The capability to get back-up and trend from USB facilitates maintenance operations. It can be operated with different encoder protocols such as TTL and SynCos. Besides, it has IP55 supported models. The real time clock which is used in PLC software is also available in this high level frequency inverter.

### **Less space, better performance...**

Kaban Makina uses Mitsubishi Electric's signature compact PLC products with easy installation advantage as it believes in the importance of supporting production processes with flexible, adaptable and easy-to-use products.

Also known for internal 4 axis positioning capability which makes it a global bestseller, compact PLC is worthy of use even in more sophisticated applications thanks to its motion capacity, easy set-up capability and new engineering software. Analogue Inlets/Outlets, Ethernet and Fast inlets available in the standard hardware enable you to complete various tasks while occupying little space at the panel.

### **Nano processing speed technology**

Aiming to adapt to tomorrow's technology today, Kaban Makina uses Mitsubishi Electric's Automation Controller providing nano processing speed for manufacturing processes. Combining all of the automation components in a single platform based on Mitsubishi Electric's new automation revolution, this new generation of iQ Platform structure provides processing speed at nano second level (LD processing speed: 0,8 ns) which makes it possible to meet the most challenging system requirements effectively and easily.