

Smart factory is more necessary for small companies

Smart factory is more necessary for small enterprises. "Kyungsung High-Tech, which researches and develops electric energy facilities, is a small company with sales of only U\$ one million, but it is considered as a best case of smart factory facilities and getting attention from the industry by supplying automation equipment necessary for the factory.

The Manufacturing Execution System (MES) provided by Kyungsung Hi-Tech is a system developed for convenient management of all data as well as process, quality and facility management.

It allows you to monitor all production processes in real time through production kiosks or monitors linked to production facilities. In addition, it is possible to set up a production plan for a weekly or monthly basis instead of a method of push production, so that it is possible to reduce frequent night work and weekend work.

By standardizing and managing equipment standard information, it is possible to prevent defects and help stabilize production volume. If an abnormality occurs, it is detected by a real-time monitoring system, thereby reducing the possibility of shipment of defective products. Strengthening customer trust with smart factory operation is a bonus.

Cho Dong-hoon, the head of the company's Smart Factory, said, "There are many examples of satisfying the job by reducing unnecessary work," he said. "Especially where injection molding machines are used, it is convenient to easily change the setting values every time the mold is changed."

We are able to respond quickly to customers' requirements and spend more time in the research and development to improve the quality in the time remaining.

Shin Woo-cheol, who founded the company in 2009, points out that smart factories can be operated properly by constantly preparing for smart factorization by making computerized data into a database (DB). Shin said, "It is important to operate the system through thorough management even after introducing a system equipped with a workforce capable of computerization." With smart factorization, small companies will become medium-sized enterprises and start-up companies become stable companies. "

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