

Matsuura's multi-pallet machining reduced overtime hours to 66%.

Products & Advantages

H.Plus-300 PC5
H.Plus-300 PC11



Decreased overtime hours

Succeeded to reduce overtime hours to 66% of the previous level

High-mix Low-volume production

Eliminate setup times by scheduling pallets

Stable high accuracy

Superb machining accuracy even during unmanned operation

Maximize spindle utilization

Minimize idle time of setups with the large capacity ATC/APC

KINOSHITA PRECISION INDUSTRIAL, located in Nagoya, Japan, is a manufacturer of precision parts for industrial sewing machines, aircraft, and industrial equipment. Demanding high-speed and high-accuracy, they installed over 25 Matsuura machines, beginning in 1970. Impressed by the sustained reliability and assured performance of their Matsuura machines, they also installed multiple **H.Plus-300** HMC. In addition to the company's requirements for accuracy and longevity, they have an additional reason for the acquisition of this Matsuura multi-pallet solution.

Background

Improve the work environment & Find skilled labor

"It was getting harder and harder to recruit new graduates every year," says Tomomi Kinoshita, president of the company. "We used to be able to hire about two or three new graduates every year, but in recent years it has become quite difficult."

Finding that there was an urgent need to improve the work environment, create a comfortable workplace, and manage the deficiency of skilled labor, she invested in Matsuura's proven multi-pallet automation solutions.

*Special color spec.



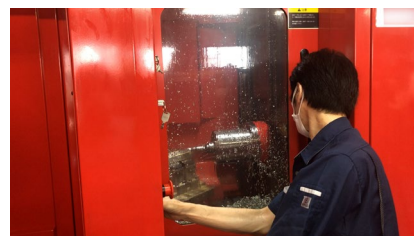
Results

Reduce overtime hours to 66% with Matsuura's lights-out machining

The multi-pallet horizontal machining center, **H.Plus-300**, was chosen as the driving force behind the factory's automation. Without the need of a human operator, the H.Plus-300's large capacity pallet changer automatically replaces the workpieces and can run unattended for 24-hours.

Industrial sewing machines require a very high level of precision. The fabric can be very delicate and require "sensory accuracy" that cannot be expressed by numerical values. Generally, machining accuracy during unmanned operation can be problematic, but Matsuura machines achieve the targeted tolerance.

As a result, the company reduced overtime hours to 66%. Along with the reform of the internal work regulations, the company also increased the annual holidays by 10 days.



KINOSHITA PRECISION INDUSTRIAL CO., LTD.

Headquarters : 201 Marushin, Kita-Ku, Nagoya, Aichi, Japan
Foundation : 1948
of employee : 70
Business : Manufacturer of precision parts for industrial sewing machines, aircraft, and industrial equipment.

Matsuura's multi-pallet solutions have been a great help in terms of improving work environment. Along with the promotion of work style reforms, the recruitment has picked up and we have succeeded to hiring two new graduates this year and two more next year.

It is true machines are not affordable, but our customers say "Matsuura is reliable," and they come to trust our company as well.

*In the future, we're planning to install the new 5-axis machine, **MX-420 PC10**. With this machine, we'd like to challenge new fields and promote the automation of production.*



Tomomi Kinoshita
President, KINOSHITA PRECISION INDUSTRIAL



Watch the video