



Kuroda Precision Industries Ltd.
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Installation of the world's largest class high-speed precision press machine

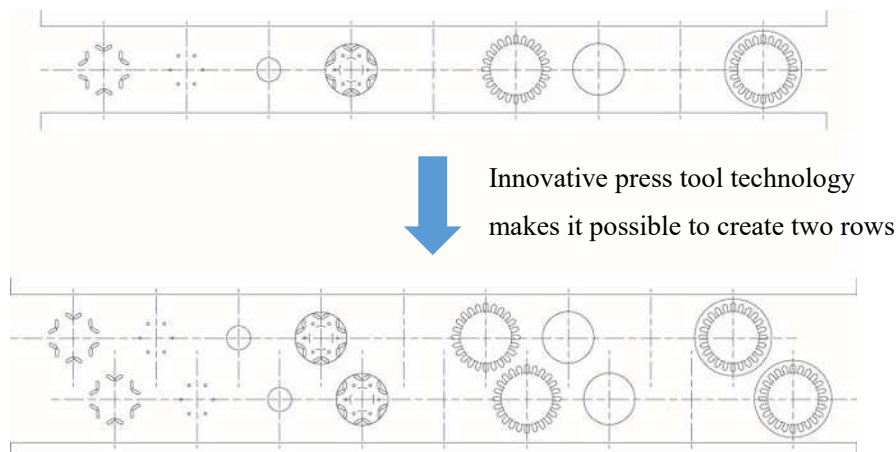
Kuroda Precision Industries – Japan-based precision machine manufacturer, today announced the installation of the world's largest class high-speed precision press machine at its Nagano Factory located in Ikeda-cho, Kitaazumi-gun, Nagano Prefecture. This new press machine greatly enhances the productivity of electric vehicle motor cores. Here is a brief outline of the precision press machine to be installed;

Manufacturer: Aida Engineering Ltd.
Machine Model: MSP-4000-430
Machine Specifications: Wide Area of 4300mm, Pressing Capacity of 4000kN
Scheduled Operation Start Date: End of March 2025.

By utilizing this press machine, it will be able to simultaneously produce two large motor cores (please refer to the layout diagram of the multi-row pressing tool). This will double the productivity and enable the same quantity of production to be achieved in half the conventional factory space. Additionally, it will result in the overall cost reduction by improving material yield and other factors.

Kuroda is the first company in the world to install this press machine.

Kuroda has determined to continuously develop and improve its high-efficient motor core production technologies, such as unique proprietary in-die adhesive lamination technology, Glue FASTEC®, to which Kuroda has received high praise from various countries around the world. In response to the rapidly growing global demand, Kuroda is currently expanding its press tool and motor core production capacity at its Nagano Factory. This installation of the state-of-the-art press machine is a part of that expansion program.



(Layout diagram of the multi-row pressing tool)

The world's electric vehicle motor market is continuously expanding due to the factors such as global warming countermeasures, the increasing adoption of Battery EVs, Hybrids, Plug-in Hybrid and Fuel Cell EVs. With this installation, Kuroda aims to achieve a significant improvement in not only its production capacity but also efficiency of large and efficient motor cores for cutting-edge electric vehicles. It will certainly further enhance Kuroda's position in the growing world's electric vehicle motor market.



(High-speed precision press machine “MSP-4000-430”)

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