

October 5, 2023

Meidensha Corporation

To members of the media

## **Meiden shipping electric mini excavator components to Komatsu**

### **Sale contributing to furthering electrification of construction equipment market**

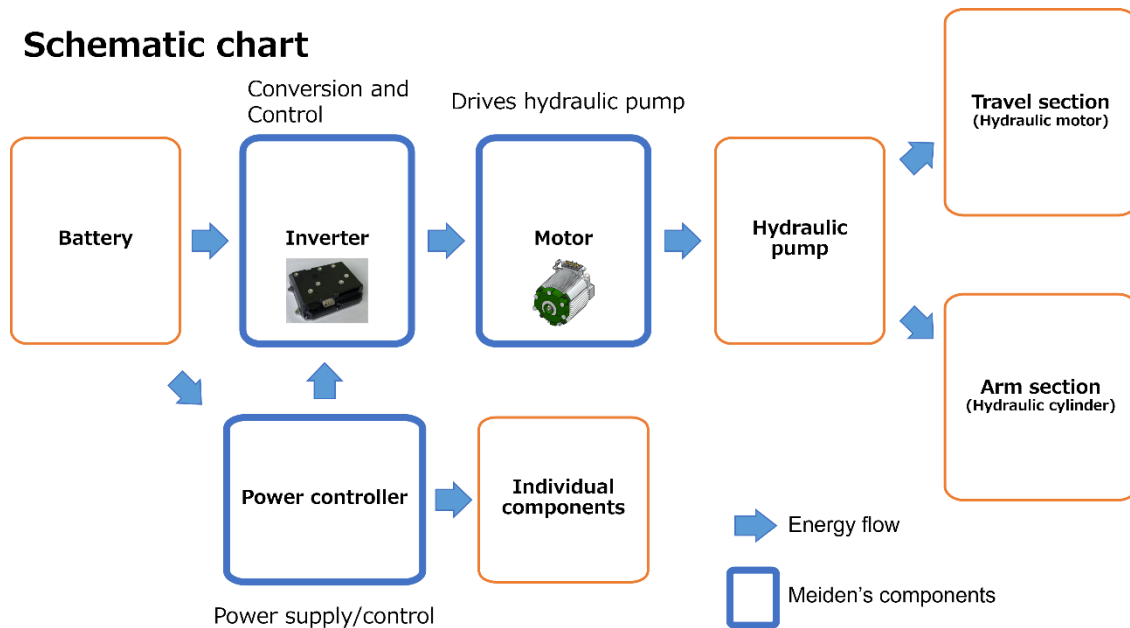
Meidensha Corporation (Meiden) has started shipping electrical components that serve as a power source for Komatsu Ltd.'s new 3-ton class electric mini excavator.

Komatsu has positioned FY2023 as the first year for the introduction of electric construction equipment to the market. Meiden's components have been adopted for the 3-ton class electric mini excavator that Komatsu introduced to the European and domestic markets this year. Meiden's inverter (for converting and controlling power from the battery), motor (power source for the hydraulic pump) and power controller (for supplying electricity to the vehicle's electrical components) will be mounted in the excavator. This is the first time that Meiden has sold components for construction equipment.



3-ton class mini excavator

## Schematic chart



Mini excavators are conventionally used in urban areas and indoors. This requires improved working environments and anti-noise measures. Changing the power source from an engine to a motor not only reduces the environmental impact by eliminating emissions of gas and heat, but also has the advantage of reduced noise levels.

Meiden has shipped electric components for electric vehicles, such as motors and controllers for running and handling cargo, to Komatsu's electric forklifts. Based on the accumulation of technological expertise through collaborative, customized development between Meiden and Komatsu, Meiden harnessed its knowhow on downsizing and increasing power output of equipment that it has achieved in its development of drive units for electric vehicles. This has resulted in creating an excavator that contributes to the further electrification of construction equipment. Meiden will utilize the knowledge of electric construction equipment that it has gleaned from its involvement in the mini excavator project to develop more competitive products in the future.

Meiden will harness its fundamental technologies related to motors, which are its original business, to supply products that meet clients' needs, and thus help attain a carbon-neutral society.