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 (Securities code:5992;
 1st Section of the Tokyo Stock Exchange)
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Enhancement of efforts for energy shifting to contribute SDGs

~ CO2 reduction through renovative manufacturing processes for coiled springs and stabilizers ~

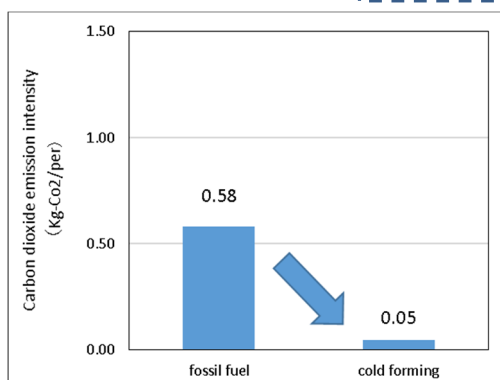
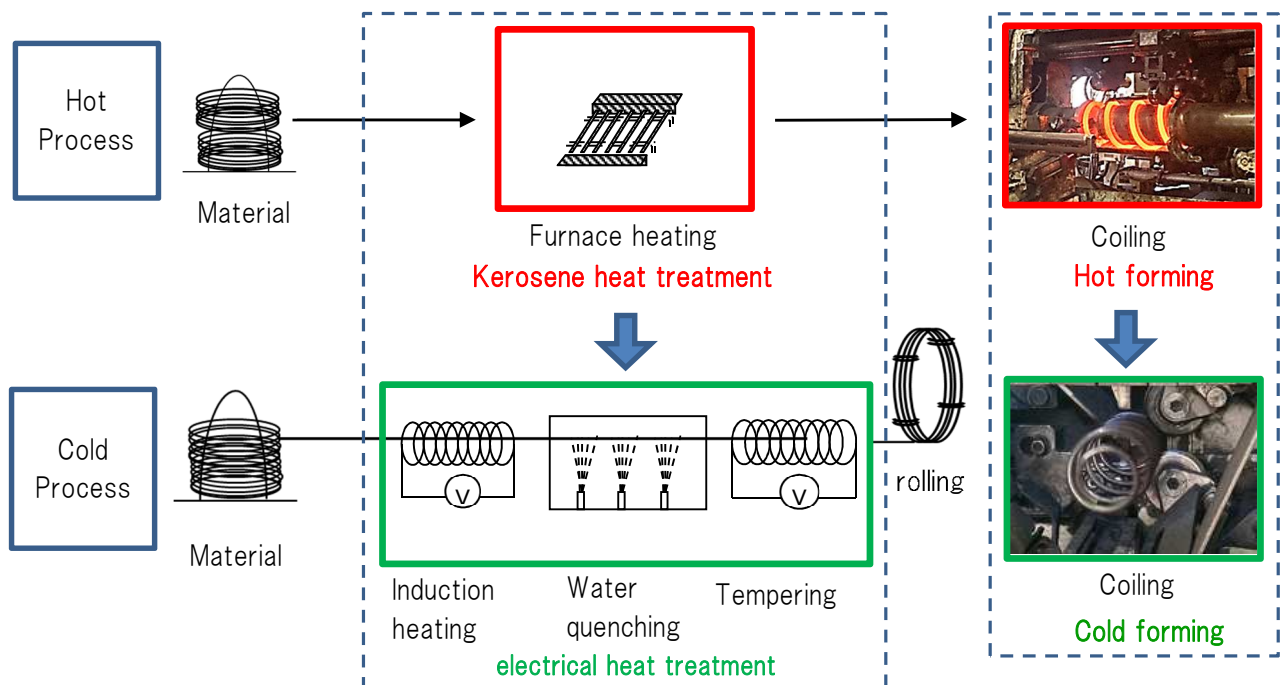


Photo : Toyota Motor Corporation

Chuo Spring Co., Ltd. (Headquarters: Nagoya City Midori-Ku, President and CEO: Satoshi Takae) built a cold-processing facility at the Fujioka Plant (Toyota City, Aichi Prefecture) that will introduce heat treatment more efficient than conventional heat-processing, with the aim of contributing to a low-carbon society as part of its production process reforms. Conventional processing of springs for suspensions and stabilizers mainly involves heating in furnaces using gas and kerosene, but we are shifting to more efficient electrical heat treatment using high frequencies. In the forming process of shapes, we are shifting from hot forming process to cold forming process without heating.

Through these improvements, **we were able to reduce CO2 by approximately 80% per vehicle.**

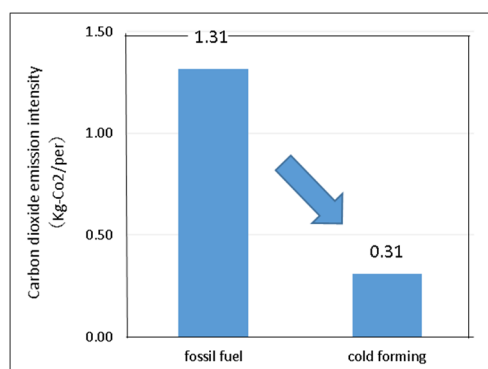
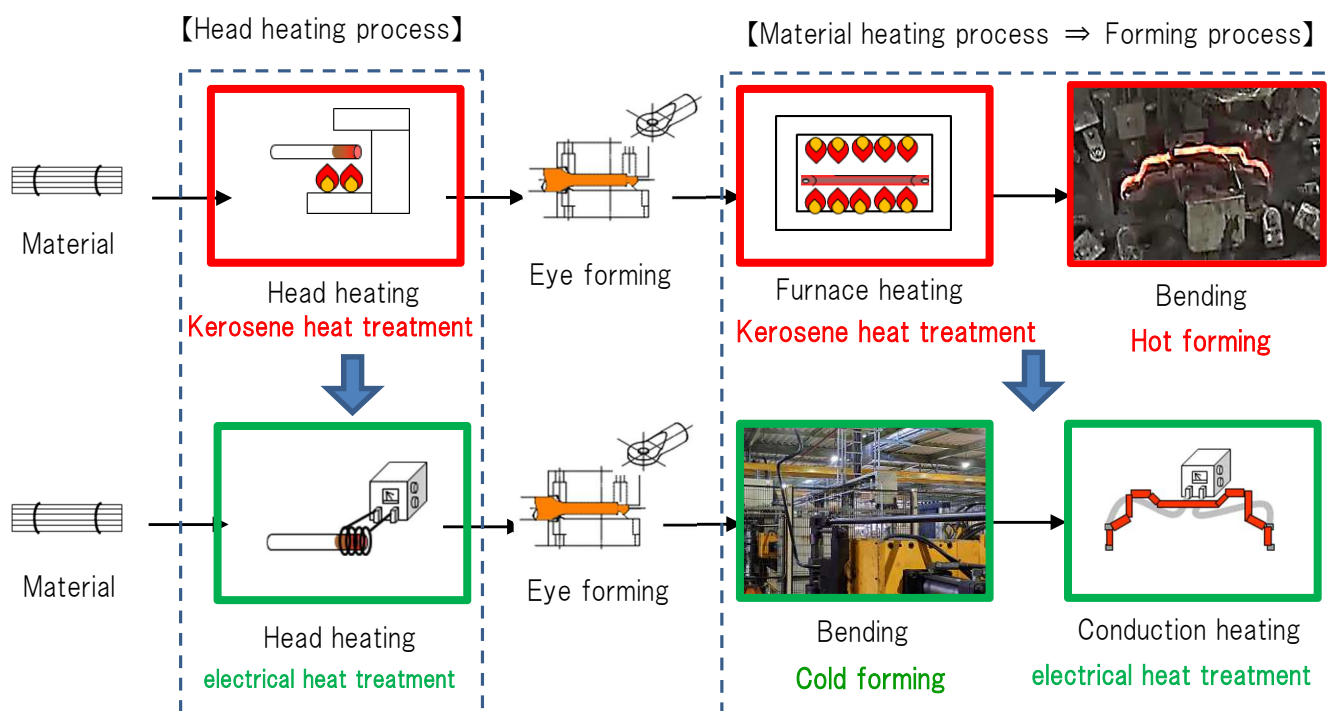
Coil Spring Manufacturing Process



《Point of production process change: coiled spring》

- Heat treatment of materials changed from **kerosene heating** to **electric heating**
- Changed from **hot forming** to **cold forming** to **eliminate heating process**

Stabilizer Process



《Point of production process change: Stabilizers》

- Heat treatment of materials changed from kerosene heating to electric heating
- Changed from hot forming to cold forming to eliminate heating process



Photo : Solar panels at Nagasaki Chuhtasu Co.

In addition, we established SDGs Promotion division, which aims to reduce emissions by 46% from the fiscal 2013 level by fiscal 2030, and will continue to deploy all measures on a Group-wide basis.

As an example, our 100% owned subsidiary Nagasaki Chuhtasu Co. (Omura City, Nagasaki Prefecture) installed solar panels to contribute to the popularization of clean energy.

“Goal 13 for Specific Measures to Cope with Climate Change,” which is one of SDGs’ development goals in the future, we will work to realize a low-carbon society by expanding production process reforms for coiled springs and stabilizers not only to domestic plants but also to overseas affiliates.