

Aichi Steel Meets Rapidly Increasing Demand for Electric Vehicle Components

—Completes second power card lead frame production line at Gifu Plant—

Aichi Steel Corporation (President: Takahiro Fujioka) held a completion ceremony today for its second production line, for power card* lead frames, constructed within its Gifu Plant.

Power cards are installed in hybrid, electric and other vehicles powered by electricity in order to control motor power, while lead frames are an essential heat-dissipating component of these power cards. To support the accelerating evolution of electrification, Aichi Steel has positioned its electronic components business, which deals with lead frames, as a core business within the Smart Company. At the same time, it is working to meet the increasing demand from customers and increasing need for more advanced product technologies.

The newly completed second line is an integrated, automated production line, built with a focus on the “4S” concept of simple, slim, short and straight, which has improved productivity by 20 percent. In anticipation of further increases in demand, the line was also designed to produce a wide variety of high-quality products in a timely manner while flexibly meeting demand for diverse shapes and different volumes.

Together with the production line constructed in 2018, this new line doubles production capacity for the Gifu Plant. It also almost triples lead frame production capacity for the whole company, when including the Chita Plant, compared to 2017.

By improving production capacity and establishing a two-base production system for business continuity planning (BCP) purposes, Aichi Steel has successfully created an overall production system for safer and more reliable delivery of products to customers.

1. Overview of the second production line at Gifu Plant

- (1) Location: Within Aichi Steel Corporation’s Gifu Plant (3-36, Unumaogi-cho, Kakamigahara-shi, Gifu-ken)
- (2) Produced articles: Power card lead frames
- (3) Production capacity: 1.8 million units per month (equivalent to 60,000 vehicles’ worth per month)
[Total capacity at Gifu Plant: 3.6 million units per month (equivalent to 120,000 vehicles’ worth per month)]
- (4) Investment: Approx. 1.5 billion yen

2. Reference

[Aichi Steel Enhances Production Capacity and Establishes Two-base Production System for Next-generation Automobile Components](#): News Release, November 7, 2018

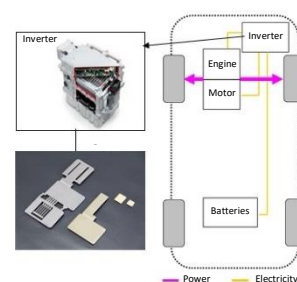
* Power card: A power module equipped with multiple power semiconductors. Each vehicle uses multiple power cards.



Press line



Plating line



Lead frame use
(Hybrid vehicles)