



## News Release

August 6th, 2020

Nippon Steel Engineering Co., Ltd.

### Newly Modified Tundish Induction Heater for Mitsubishi Steel Muroran Inc. Starts Operation

Nippon Steel Engineering Co., Ltd. (Representative Director and President: Yukito Ishiwa; Head Office: Shinagawa-ku, Tokyo; hereinafter, "NSE") is pleased to announce that it has successfully completed modification work on a tundish\*1 induction heater for a bloom continuous caster\*2 (BL-CC) ordered from Mitsubishi Steel Muroran Inc. (President and Representative Director: Hiroshi Sekine; Head Office: Muroran, Hokkaido; hereinafter, "MSR"). The newly modified equipment is already up and running.

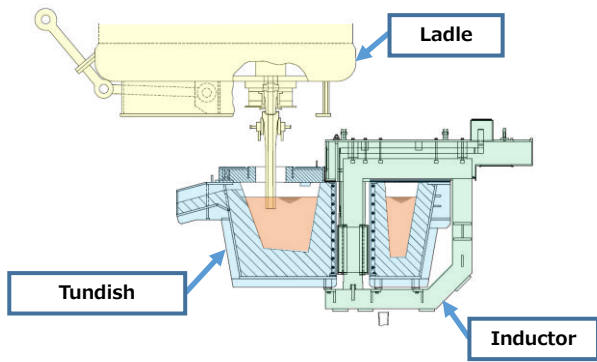
The latest modification work involved upgrading an existing BL-CC (installed by NSE in 1994) by installing a molten steel temperature controller inside the tundish with induction heating system. With this upgrade, MSR will be able to further improve the quality of its special steel. The entire work was completed on schedule, ensuring smooth operation.

NSE will continue to meet customers' needs as a top supplier of continuous casters for special steel by providing equipment that enhances stable operation and high productivity as well as maintenance and other services, with a focus on technology for achieving high quality.

The equipment offered by NSE for controlling the temperature of molten steel inside the tundish comes in two types, one with a plasma heating system and the other with an induction heating system. The more suitable option can be chosen to tailor the setup to the customer's equipment conditions and quality needs.

**\*1: A tundish is a vessel for holding molten steel poured from the bottom of a ladle, designed to distribute molten steel into multiple molds while facilitating the flotation and removal of inclusions contained in the steel.**

**\*2: A bloom continuous caster (BL-CC) has a rectangular cross section with a side of 200 mm or more, and is mainly used to manufacture for carbon steel or special steel products.**



**Induction heater layout**



**Photograph of equipment**

[For more information, please contact below]

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