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Shougang Jingtang Selects Primetals Technologies for Slab Caster Revamp to Enable High-Quality Production

- **Comprehensive continuous slab caster revamp will enable high-quality production of automotive steel**
- **DynaGap Soft Reduction will improve center quality**
- **Startup scheduled for September 2027**

Shougang Jingtang has selected Primetals Technologies for an extensive revamp of its 2-strand slab caster No. 2 at a plant in Caofeidian, Hebei Province, China. With this project, Shougang Jingtang aims to improve the quality of its cast slabs for better rolling results. Startup is scheduled for September 2027. Following the contract award for the revamp of Shougang Jingtang's No. 5 ultra-thick slab caster in November 2025, this contract marks another important milestone in the strategic cooperation between Primetals Technologies and Shougang Group.

Improved Center Quality

Shougang Jingtang is a certified supplier to leading automobile producers. The replacement will enable Shougang Jingtang to reliably use the DynaGap Soft Reduction control system from Primetals Technologies to improve center quality. The equipment replacement will also lead to increased casting speeds and productivity.

Stability of Mold-Level Control

The scope also includes the latest LevCon system that reuses the existing stopper mechanics, further optimizing mold-level control with anti-bulging algorithms. It also includes a completely new strand guide with dry-casting capability in the horizontal part for higher final temperature of slabs and the possibility of extending the metallurgical length by adding horizontal segments in the future.

All segments are equipped with EcoStar Spiral rolls which enable strong strand support and dry casting in the horizontal area. New Level 1 and Level 2 automation systems, including DynaPhase, Dynacs 3D, and DynaGap 3D, will help ensure that surface and internal slab quality reaches industry-leading levels.

About Shougang Jingtang

Shougang Jingtang is a part of Shougang Group, one of the leading steelmakers in China. The company produces a full range of carbon steel, with a focus on value-added products such as automotive exposed and non-exposed steel grades, appliance steel, tinplate, and heavy plate products

Key Facts: Shougang's 2-Strand Slab Caster

Radius: 9.5 meters

Metallurgical length: 39.5 meters (44.26 meters with future extension)

Dimension of slabs: 250 x 1,100 to 2,150 millimeters

Casting speed: up to 1.7 meters per minute

Steel grades: ultra-low carbon, low carbon, peritectic, medium carbon, high carbon and ultra-high carbon



The Shougang Jingtang, Shougang Engineering, and Primetals Technologies project team during the kick-off meeting.

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