PRIMETALS TECHNOLOGIES

Press

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Jinxi Steel Starts Up First Slab Caster from Primetals Technologies Two Months Ahead of Schedule

- **First of two continuous slab casters successfully started up after just 13 months of project execution**
- **First heat cast two months ahead of schedule**
- **Each caster designed for an annual capacity of 2.5 million tons**
- **Second caster scheduled to start up in spring 2027**

Chinese steel producer Hebei Jinxi Iron and Steel Group has successfully started up the first of two continuous slab casters supplied by Primetals Technologies at its plant near Tangshan, Hebei province, China. The first heat was cast after just 13 months of project execution, two months ahead of the contractual schedule.

Fast Startup Through Close Collaboration

The successful startup of the first caster marks a key milestone in the project to install two continuous slab casters, each designed for an annual capacity of 2.5 million tons. This accelerated achievement reflects close collaboration among Primetals Technologies teams across multiple locations. In particular, the site and commissioning teams from Primetals Technologies Austria and China contributed their expertise, professionalism, and commitment to bringing the caster into operation ahead of schedule.

Advanced Technology for High-Quality Steel

Jinxi Steel placed the order for the two casters in 2025 to expand its production capabilities for high-quality electrical steels, particularly high-grade non-oriented electrical steels (NOES) for new energy vehicle applications. The casters are designed to produce a wide range of steel grades, including silicon, peritectic, and API special steel grades.

Both casters feature advanced casting technology and comprehensive Level 1 and Level 2 automation systems for precise process control and optimized production. At the core is the LevCon system, which automates mold-level control with "autostart" casting functions and auto-adaptive dynamic bulging compensation. Together with the Mold Expert system, which helps prevent breakouts, these technologies reduce downtime and improve safety.

The second caster is scheduled to go into operation as planned in spring 2027.

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The first continuous slab caster supplied by Primetals Technologies to Jinxi Steel during its successful startup.

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