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Novelis orders roll coolant spray system for Aluminum hot strip mill in Yeongju, Korea from Primetals Technologies

- **Coolant spray system will further improve strip quality**
- **Similar system is installed in Novelis' Ulsan plant, allowing commonality of spares**

Novelis Korea Ltd has placed an order with Primetals Technologies for a new roll coolant spray system for their Aluminum hot strip mill in their Yeongju plant, Republic of Korea. Aim of the project is to further improve strip quality. The new installation at Novelis Yeongju will mirror the spray system on the Novelis Ulsan plant hot strip mill, thus allowing commonality of spares between the two plants. The project is scheduled to be carried out in two phases in October 2016 and July 2017.

The order includes new coolant spray bars with the Primetals Technologies' Integral Solenoid Valve (ISV) for the roughing mill stand and the four finishing mill stands. The ISV Sprays system is designed to apply zone cooling and lubrication to the work rolls. The system removes residual flatness errors and controls the bulk temperature of the mill during the rolling process. Temperature control is achieved by modulating the coolant through individual ISV valves thereby controlling the thermal profile of the work rolls. The coolant sprays will be controlled by a Primetals Technologies automation system based on the Simatic TDC platform and will interface with the Novelis existing level1 and level 2 systems.

Novelis' Yeongju plant is a modern, low-cost facility that has casting, hot rolling, cold rolling, finishing and recycling facilities. Its world-class rolling equipment produces superior flat-rolled aluminum products for high-value added applications. The facility serves the beverage and food packaging markets primarily, along with construction and electronics markets in Asia.



ISV Sprays from Primetals Technologies. They are part of a roll coolant spray system to be installed by Primetals Technologies in the Aluminum hot strip mill of Novelis' Yeongju plant in Korea

This press release and a press photo are available at www.primetals.com/press/

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