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HBIS Tangsteel Grants Acceptance for World's Largest Push-Pull Pickling Line from Primetals Technologies

- **Enables a wide product mix typically achievable only with two conventional pickling lines**
- **Delivers excellent surface quality, fewer rejects, and expanded processing options for coils**

Primetals Technologies has received the provisional acceptance certificate (PAC) for the world's largest push-pull pickling line (PPPL) at HBIS Tangsteel's steel plant in Laoting, Hebei province, China.

The new line processes strip thicknesses from 1.8 to 15 millimeters at speeds up to 200 meters per minute, enabling a wide product mix usually possible only with two conventional continuous pickling lines. Primetals Technologies supplied the complete mechanical, electrical, and automation scope, as well as engineering and advisory services.

Optimized Winding Quality

Targeted process optimization and the use of state-of-the-art control technology have resulted in outstanding winding quality for steel coils up to and above 12 millimeters thick. This ensures more consistent strip tension control, reduced offsets between layers, and improved edge guidance. The result is higher surface quality, fewer rejects, and more options for further coil processing – a decisive advance for demanding applications in the automotive, construction, and mechanical engineering industries.

Maximized Throughput and Advanced Automation

The PPPL is supported by an innovative solution for automated analysis and control of the pickling process. Operators now have a comprehensive overview and can manage the process with high precision. The Level 2 automation solution features a sophisticated pickling software model that considers multiple parameters to ensure optimal temperature, pickling levels, flows, and turbulence. This leads to increased throughput, optimized energy use, and reduced pickling fluid consumption.

The line is also equipped with an in-line 4-high single-stand skin-pass mill for enhanced strip flatness control and a turret-head-type side trimmer for thicknesses from 2 to 8 millimeters, ensuring top strip-edge quality.

About HBIS Tangsteel

HBIS Tangsteel is one of the largest state-owned iron and steel enterprises in China. Its main products include hot-rolled and cold-rolled sheet, galvanized sheet, medium and heavy plate, bar, wire, and section products. These products are used in automobiles, appliances, machinery manufacturing, infrastructure, and bridge construction, and are shipped to more than 100 countries worldwide.



The push-pull pickling line (PPPL) from Primetals Technologies is now operational at HBIS Tangsteel.

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Primetals Technologies, Limited, headquartered in London, United Kingdom, is a pioneer and world leader in the fields of engineering, plant building, and the provision of lifecycle services for the metals industry. The company offers a complete technology, product, and services portfolio that includes integrated electrics and automation, digitalization, and environmental solutions. This covers every step of the iron and steel production chain—from the raw materials to the finished product—and includes the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a Group Company of Mitsubishi Heavy Industries, with around 7,000 employees worldwide. To learn more about Primetals Technologies, visit the company website [primetals.com](https://www.primetals.com).