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A New Technology for Bar and Wire Rod Mills

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The eDrive Mini-Finishing Mill by Primetals Technologies offers significant advantages for bar-in-coil and wire rod mills, including reduced CAPEX and OPEX, lower power and water consumption, and enhanced operational flexibility with quick product size changes. Its low-voltage system, virtual gear box, and reduced maintenance needs improve efficiency. Compared to other technologies on the market, it delivers 10-15% higher stand capacity, uses smaller motors due to helical gear ratios, and features interchangeable rolling stands with no orientation constraints. These enhancements, combined with integrated control for faster impact compensation, make it a cost-effective and reliable solution for quality steel production. This paper will dive further into the technology while referencing its recent successful implementation within a combination bar-in-coil and rod mill located in Baosteel, China.

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