



POWERED SLITTER

MULTI-STRAND BAR ROLLING WITH INCREASED PRODUCTIVITY

Powered slitting is an alternative to slitting guides for the production of multiple strands of bar from a single-strand roughing and intermediate mill. Water-cooled rotating discs that divide the stock within the slitter are motor-driven and speed-regulated to match the speed of stock. With a relatively large diameter compared to the rollers of slitting guides, the discs of the powered slitter produce more consistent sections to the downstream finishing stands.

FIELD OF APPLICATION

Long rolling mills

MAIN BENEFITS

The powered slitter can increase productivity over slitting guides through higher speeds and less downtime. The larger slitting rollers can roll for longer periods without the need for changing and with less potential for cobbles, therefore increasing overall yield.

Setup is simpler than for slitting guides, and the settings are stable and repeatable. Tungsten carbide slitting discs have excellent wear characteristics and therefore need less adjustment during production to compensate for wear. The discs can be easily changed to alternative materials to meet individual rolling mill needs. With improved speed regulation, there is reduced risk of damage to disks and bearings due to front-end impact and high accelerations. Yields are also increased with reduced cobbles related to guide failures and fewer losses due to bad front ends.



Powered slitter in a high speed bar mill



Slit product

PRODUCT FEATURES

- Easy operator access and adjustments
- Simple foundation, installation and commissioning
- Sturdy construction for reliable operation
- Symmetrical parting adjustment about pass line
- Traversing option available for off-line setup

TECHNICAL DATA

Slitting options	2-, 3- or 4-way
Rolls	Tungsten carbide standard, others possible
Finished product sizes	6 - 20 mm (#2 - #6)
Finishing speeds	Up to 50 m/s
Pass life with tungsten carbide rolls	> 15,000 tons

SERVICES

- Integration engineering - customized solutions
- Erection advising - planning and supervision of installation ensures system performance
- Commissioning - expertise provided for start-up and training on system operation
- Maintenance - services available, but little required
- Spare parts - customized program minimizes inventory and controls cash flow

OTHER RELATED PRODUCTS

- Roller entry, roller delivery and static guides
- Red Ring stands
- Pinch rolls
- Morgan Vee No-Twist® Mill and Vee Mini-Block
- Water quenching systems
- Primetals Technologies EA LR Enhanced Temperature Control System
- Divide and chopping shears
- High speed cooling bed entry systems

Primetals Technologies USA LLC
 A joint venture of Mitsubishi Heavy Industries and partners
 93 Gilmore Drive | Sutton, MA 01590 | USA

primetals.com

Order No. TO6-O-N252-L4-P-V3-EN
 Printed in USA | © 08.2020

The information (including, e.g., figures and numbers) provided in this document contains merely general descriptions or characteristics of performance based on estimates and assumptions which have not been verified. It is no representation, does not constitute and/or evidence a contract or an offer to enter into a contract to any extent and is not binding upon the parties. Any obligation to provide and/or demonstrate respective characteristics shall only exist if expressly agreed in the terms of the contract. These estimates and assumptions have to be analyzed on a case-to-case basis and might change as a result of further product development. Primetals Technologies excludes any liability whatsoever under or in connection with any provided information, estimates and assumptions. The provided information, estimates and assumptions shall be without prejudice to any possible future offer and/or contract. Any use of information provided by Primetals Technologies to the recipient shall be subject to applicable confidentiality obligations and for the own convenience of and of the sole risk of the recipient. No-Twist is a registered trademark of Primetals Technologies USA LLC