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 disks 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.
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

OTHER RELATED PRODUCTS

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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

TECHNICAL DATA

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

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

Powered slitter in a high speed bar mill
Slit product