ROLL GRINDERS AND AUTOMATIC ROLL SHOPS
Tenova is a worldwide partner for innovative, reliable and sustainable solutions in the metals and mining industries.

Building upon decades of experience, Tenova develop solutions that help mining and metals companies reduce costs, save energy, limit environmental impact and improve working conditions for their employees.

Tenova believes in on-the-job passion, and actively seek out professionals who truly love what they do. Their contributions to the business have helped make Tenova the industry-leading company it is today, and their passion is the driver behind the company business approach. This approach can be summed up in four key pillars: Innovation, Reliability, Sustainability and Safety.
Through the Pomini brand, Tenova is worldwide leader in the design and supply of Roll Grinders for flat product rolling mills, as well as of special machines for grinding of heavy components. The product range of Pomini Tenova embraces heavy, medium and light duty, fully automatic CNC roll grinders, fully automatic CNC roll loaders, chocking and de-chocking machines for all roll types, texturing machines and roll lathes, able to speed up grinding, handling and maintenance operations on rolls, and to guarantee the level of precision required by the most sophisticated rolling mills.

Pomini Tenova also supplies other equipment and ancillaries such as roll texturing machines (PDT™), automatic roll loaders, washing machines and tilters for chocks, roll cooling systems, storage racks and other devices used in daily roll shop operations. In addition it boasts extensive expertise in reconditioning, upgrading and fully automatic revamping of used roll grinders of any brands. The constant pursuit of innovation in automation and machine integration for the rolling mill process combined with the precision, reliability and safety features that have always distinguished Pomini Tenova, provide our Customers with products that represent the highest level in roll grinding worldwide.
Pomini Tenova range of products include:

**Heavy, Medium and Light Duty Fully Automatic CNC Roll Grinders**, for superb performance in terms of tolerances and surface finishing, high reliability and internationally patented measuring and control devices.

**Fully Automatic CNC Roll Loaders**, with either two or three controlled axes, combining high handling speeds with outstanding positioning accuracy, for faster roll handling and enhanced grinder productivity.

**Texturing Machines, Shear Blade Grinders and Roll Lathes**, three machines that further enhance the roll shop product range and amplify maintenance operations capabilities for the mill with high levels of precision and finishing.

**Chocking and Dechocking Machines** for all roll types, to speed up maintenance operations and guarantee the level of precision required by the most sophisticated roll supporting systems.

**Other Ancillaries** such as transfer cars, washing machines and tilters for chocks, roll cooling systems and other devices used in daily roll shop operations.

**Roll Storage Racks and Pads**, to optimize use of the Roll Shop floor in relation to crane and grinder availability, leveraging Pomini Tenova know-how in handling all roll types.

**Roll Shop & Roll Defect Management System (RSMS & RDMS)**, two complete hardware and software solutions developed by Pomini Tenova for full control and analysis of roll shop operations. RSMS enables analyses from actual grinding process monitoring to collection and processing of production, consumption and requirement data, with minimum outlay of resources. RDMS is a powerful tool that enhances and optimizes productivity through deep defect management functions and automatic corrective actions.
Grinding of different profiles

- Cylindrical
- Concave and Convex Shapes
- CVC (since 1985) and CVC Plus
- Smart Crown
- Polynomial, Sinusoidal, Empirical and all possible combinations

Cluster, Foil, Cold Mills

Work rolls, intermediate rolls, back-up rings
Ø max. 450mm

Cold & Hot Mill

Work and intermediate rolls
Ø max. 800mm
With and without chocks

Cold & Hot Mill

Work, intermediate and back-up rolls
Ø max. 1800mm
With and without chocks

Plate & Hot Mill

Work rolls, back-up rolls
Ø max. 2400mm +
With and without chocks

Paper Mill, Roll Makers, Other Special Applications

For all roll and mill sizes
Automatic Roll Shop packages at different level of integration

Roll Grinders

Roll Testing Equipment

Roll Shop Ancillaries

Full Automation

Roll Shop Management System (RSMS)

Pomini
TENOVA
ROLL SHOP EQUIPMENT

Roll Texturing
• Texturing machine
  PDT™ (Pomini Digital Texturing) Machine

Automatic Roll Loader
• 2-axes loaders
• 3-axes loaders
• Interface with EOT cranes
• Automatic scheduling

Shear Blade
• Shear blade grinding machines

Dechocker
• WR Dechocker
• BUR Dechocker
• Combi Dechocker

Chock Tilter
To make chock maintenance easy
### Automatic / Manual Roll Lifting Beams
- Work rolls
- Back-up rolls

### Roll Moving Equipment
- Transfer Cars for WR's and/or BUR's
- Roll buggy for WR's

### Roll Cooling / Roll Racks
- Hot mill work rolls
- Work rolls
- Back-up rolls

### Cleaning Devices
- For rolls with chocks
- For chocks with bearings
- For bearings

### Others
- Turning lathes
- Special Dechocker