



LADLE TURRET SERVICES

ENHANCE LADLE TURRET PERFORMANCE AND MINIMIZE POTENTIAL RISKS

In steelmaking plants, ladle turrets play a critical role in the production logistics chain. Their function is indispensable, ensuring the safe and reliable handling of heavy ladles filled with liquid steel for the continuous caster. However, aging and wear from heavy loads can compromise their safety and efficiency. Regular inspections are crucial for maintaining operational integrity. Our ladle turret services optimize performance and ensure greater reliability.

YOUR CHALLENGE

Over years of continuous use, ladle turrets undergo significant aging and wear. Ensuring operational safety requires periodic maintenance checks, particularly to verify their ability to

carry heavy loads. Turrets that are approaching or exceeding 200,000 load cycles need thorough inspections to identify signs of aging and mitigate risks of breakage or material fatigue, ensuring safety for both personnel and production.

OUR SOLUTION

Primetals Technologies, with extensive experience in continuous casting, offers expert inspection, maintenance services, and upgrades. Our comprehensive service packages cover everything from initial concept, inspection and engineering to manufacturing, delivery, and installation or supervision, tailored to your specific needs.

**CUSTOMIZED
TURRET
INSPECTION**
ONE CONTACT,
ALL SERVICES

SERVICE OVERVIEW

Our ladle turret services include:



CUSTOMIZED TURRET UPGRADE SOLUTIONS

Primetals Technologies provides turret upgrade packages customized to your specific requirements:

• CONDITION CHECK

- **Health Check:** extend the lifespan of your turret with our customized inspection services, e.g. check of all bearings, functionality of safety systems.

• MAINTENANCE AND REPAIR

- **Condition Monitoring:** monitor the condition of your slewing bearing with our advanced systems, e.g. installment of sensors on the no-moving part to reduce risk of unplanned shutdowns.
- **Bearings Exchange Service:** benefit from our professional exchange services including engineering, instruction, equipment and material and on site supervision.

• UPGRADES AND MODERNIZATIONS

- **Safety Upgrade:** enhance your safety measures, including emergency systems by inspection, analysis of the safety systems to minimize risk of equipment damages.
- **Ladle Cover & Cover Manipulator:** save energy, keep liquid steel free from inclusions, and protect your employees and equipment with our ladle cover installation.
- **Ladle Shroud Manipulator:** improve efficiency with our ladle shroud manipulator solutions. E.g. "Liquirob" our fully automatic manipulator with extra functions to improve safety for the operators.
- **Rotary Joint Upgrade:** enhance the performance of your rotary joint with our upgrade packages with improved design and sealings manufactured with up to 28 connection ports per piece.
- **Weighing Systems Installation:** optimize your material usage by accurate measurement of your ladle's weight with our weighing systems.
- **Drive Unit Upgrade:** modernize your existing drive system with our upgrade packages such as providing dedicated equipment, hydraulic/ pneumatic systems and software.
- **Ladle Capacity Upgrades:** increase your lifting capacity with our specialized upgrade solutions for example reinforcement of existing construction or by reducing ladle exchanges to increase productivity.



MAIN BENEFITS

- Customized turret inspection
- Increased lifetime
- Reduced risk of unplanned shutdowns
- Higher profitability and efficiency
- Cost savings
- Improved safety for operators

For more information, contact us!

Primetals Technologies Austria GmbH
A Group Company of Mitsubishi Heavy Industries

Turmstrasse 44 | 4031 Linz | Austria
primetals.com

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