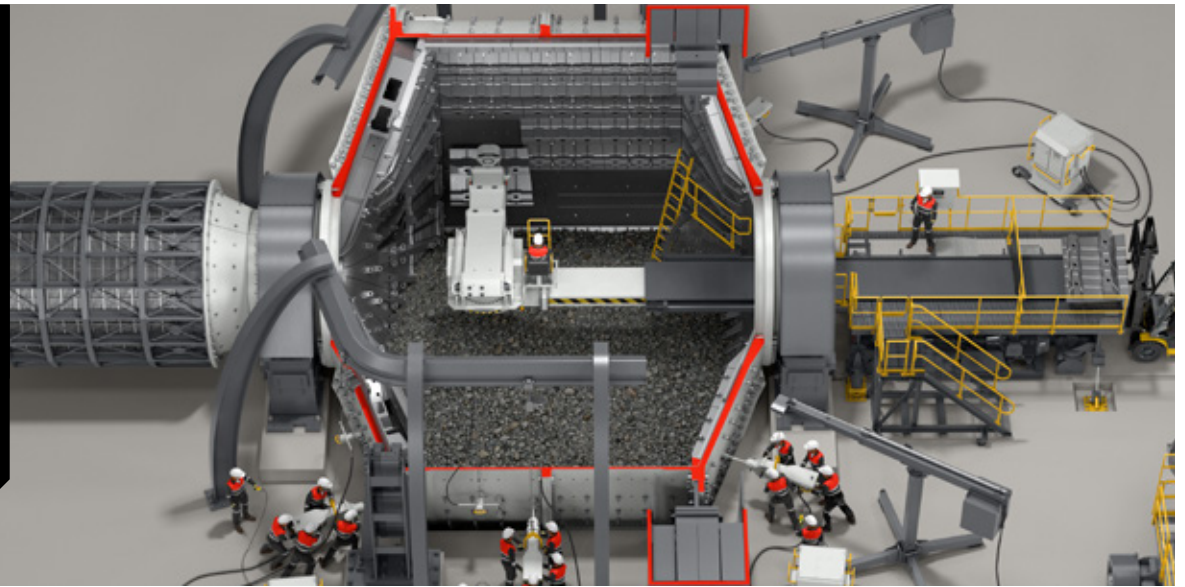


Metso:Outotec

Mill Reline Machine (MRM) and liner management LCS



MRM and liner management Life Cycle Services (LCS) will make your grinding mill liner changeouts safer and more efficient. The program also offers flexible financing options, allowing you to improve your cashflow and stock management.

CAPEX, safety and performance challenges

Securing the required CAPEX for safety, liner management and production improvements can often pose challenges. Delays in having the funding in place for needed equipment can result in less efficient shutdowns and processes, which can impact your bottom line.

Ageing equipment often leads to recurring service and reliability issues, with unplanned stoppages making it harder to ensure safety. We provide the only MRM designed to international crane standards.

Lack of professional MRM and liner management services can result in a lower grinding circuit performance. Using an outdated or no MRM at all, also limits possible improvement opportunities. For example, the choice of liner design used in the mill can be limited due to weight considerations, reducing options to further optimize their liners and process. Liner design optimization often provides significant improvements in liner performance and can lead to lower cost per ton. Modern mill reline equipment allows for the use of larger liner segments leading to reduced shutdown times.

Introducing MRM and liner management supply LCS

Must haves



New or replacement MRM



Equipment Protection Services
Regular maintenance inspections, extended warranty on key components for the MRM.



Financing
Shift from CAPEX to OPEX for equipment, with monthly payment plans or Cost per ton programs. Parts and technical services can often be included in the programs.



Spares and wears
Consignment spares and wears for the duration of the contract. This applies for both for mill liners and mill reline equipment.

Selected to suit customer operations



Professional services
Connected services for remote tracking & Time and Motion (Single-Minute Exchange of Die – SMED) analysis for reductions in downtime. Mill Mapper improves liner optimization. Shutdown services for planning and executing efficient stoppages.

Complete service package

MRM and liner management LCS

Bundle MRM, Equipment Protection Services (EPS), spares and wears, and additional professional services into a single LCS package. Choose a flexible financial model to help with leasing programs.



Mill reline equipment

Metso Outotec has a complete offering of mill reline equipment to ensure maximum ease of operation.

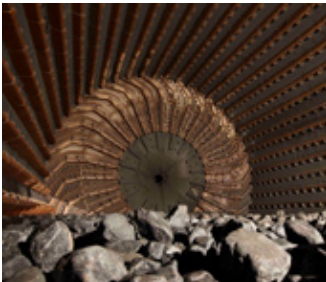
- 7-axis mill reline machines
- Tube mill reline machines
- Feed chute transporters
- Bolt hammers



Equipment Protection Services (EPS)

Get regular maintenance inspections and extended warranty on key components for the MRM. Our field service maintenance inspections happen twice a year for 3 years or duration of contract.

- Warranty for extended periods beyond the LCS life
- Extended warranty on key MRM components
- Included in MRM and Liner fixed monthly fee.
- Includes inspections and estimated annual spares consumption for MRM



Spares and wears

Focus on production and plant performance rather than managing parts supply. Get spares and wears (for MRM equipment and Mill liners) for the 3 year contract duration. We manage spares and wears under an "as used" or performance-based consignment plan.

- Stock held either at site or at our nominated facility
- Spares and wears management can be extended to items such as trommel, screen or feed spout consumables
- Agreed spares and wears reporting and KPI measurements
- The market's most complete mill lining product range
- Optimized designs for your application



Financing

Shift from CAPEX to OPEX for equipment. We have more than 500 LCS contracts globally and each one is tailored to our customers needs. Some typical models:

- Flat monthly fee with agreed rise and fall clauses based on actuals
- Deposit and fixed monthly fee
- Performance based e.g. cost per ton
- Fixed and variable payment portions where our customers need some flexibility



Additional Professional Services

Connected services, Mill Mapper, shutdown services for planning and executing service work and relines.

- Added protection when offering extended warranty
- Improved reliability and up-time for customer
- Frequent equipment health reports
- Recommendations based on remote data collection

Read more at mogroup.com/mill-reline-machines