



ROLLING MILL LUBRICATION SYSTEMS PROTECTING CRITICAL HIGH-SPEED ROLL HOUSING PARTS

This modular lubrication system for non-ferrous rolling mills arrives fully assembled and factory tested. The Primetals Technologies system is supplied with standby pumps and motors and a vacuum dehydrator to heat the oil to operating temperature and remove any coolant contamination.

Lubrication system components include:

- Stainless steel lubrication oil tank
- Main online and standby pumps
- Main online and standby motors
- Vacuum dehydrator
- Duplex filter
- Heat exchanger
- Pressure, temperature and level gauges
- Pressure switches
- Heaters

FIELD OF APPLICATION

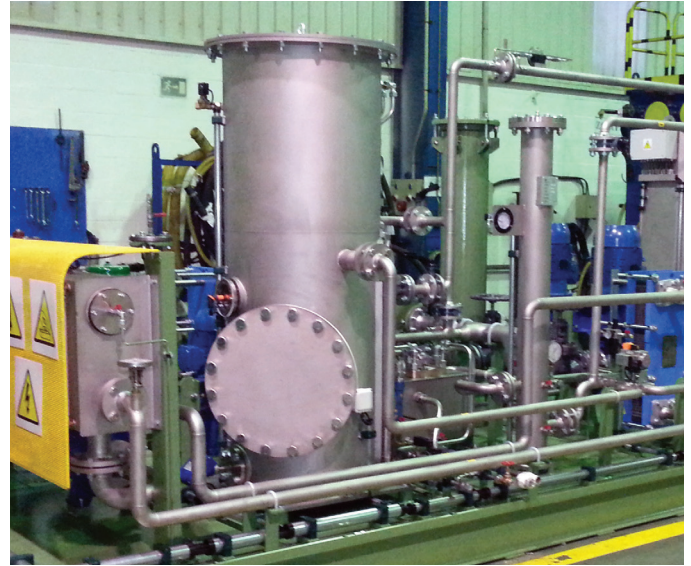
Non-ferrous long rolling mills

MAIN BENEFITS

- Fully assembled and factory-tested package that fits standard shipping containers
- Modular solution minimizes installation and commissioning time
- Alarms and safety interlocks protect roll housings by preventing mill operation under conditions of insufficient pressure or incorrect temperature range
- Standby pumps and motors supplied for added protection in case of mechanical problems
- Easily removes debris with inline duplex filter system
- Special bypass valve allows filter cartridge replacement without interrupting mill operations
- Lube oil temperature controlled within $\pm 1^\circ \text{C}$ with heat exchangers and strategically placed temperature sensors
- Simple to operate with low maintenance costs
- Extends service life of critical components



Inline duplex filter



Vacuum dehydrator

PRODUCT FEATURES

Stainless steel oil lubrication tank

Main online and standby pumps/motors

Vacuum dehydrator

Duplex filter

Heat exchanger

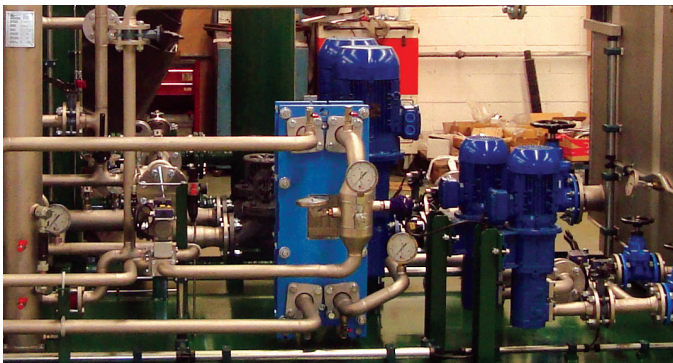
Pressure, temperature and level gauges

Pressure switches

Interlocked with mill controls

TECHNICAL DATA

Production rates	up to 48 tph
Lubrication oil typical	VG150 to VG460
Filtration	22 micron



Heat exchanger

SERVICES

- Integration engineering - customized solutions
- Erection advising - planning and supervision of installation to minimize disturbance of operations
- Commissioning - expertise provided for start-up and training on system operation
- Maintenance - system designed for long life
- Spare parts - customized program minimizes inventory and controls cash flow

OTHER RELATED PRODUCTS

- Entry shear and table
- Rolling mill stands
- Hydraulic roll mounting
- Rolling mill lubrication systems
- Coil forming equipment
- Coil handling solutions
- Dual reel coiler and automatic unloader

Primetals Technologies USA LLC
A joint venture of Mitsubishi Heavy Industries and partners

40 Crescent Street | Worcester, MA 01605 | USA

primetals.com

Order No. T06-O-N524-L4-P-V2-EN
Printed in USA | © 03.2020

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.