



ROLL CHANGE SYSTEM

SAFELY REPLACE MECHANICALLY MOUNTED ROLLS IN NON-FERROUS MILLS

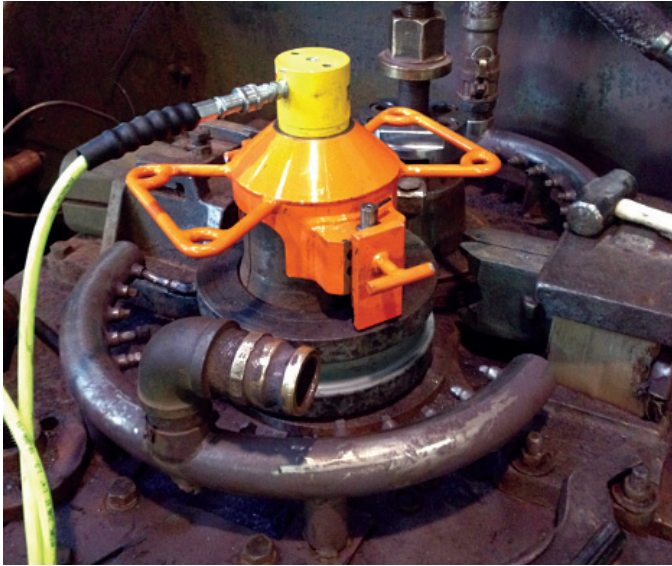
The roll change system, comprised of a roll removal tool, roll mounting tool, hydraulic power unit, and reinforced end caps, provides a quick and safe method to replace 12" and 16" mechanically mounted rolls. The design allows for a known and accurate mounting force to be applied during each roll change. It helps prevent roll locking key failures by creating an increased wedge effect between the roll and tapered sleeve, applying a higher mounting force which helps to carry the rolling torque.

FIELD OF APPLICATION

All non-ferrous long rolling mills with mechanically mounted 12" and 16" mill rolls

MAIN BENEFITS

- Allows tighter mounting of tapered sleeve, preventing premature failure of roll or key. Results in reduced down time for maintenance
- Eliminates potential safety hazards created by unsafe roll removal methods, such as banging on it with a hammer
- Low-cost alternative to hydraulic conversion for mounting and dismounting
- Secures roll as it is removed, preventing accidental release when changing horizontal rolls



Hydraulic removal tool



Automatic Hydraulic mounting tool

PRODUCT FEATURES

Hydraulic puller tool assembly

Flexible 12-point hydraulic roll mounting wrench

Roll pinion locking device

Adjustable motorized hydraulic power unit

Quick-disconnect hydraulic connections

TECHNICAL DATA

Removal tool weight 23 kg (50.6 lb)

Mounting tool weight 18 kg (39.6 lb)

Power unit weight 28 kg (61.6 lb)

Maximum hydraulic pressure 690 bar (10 ksi)

Maximum pulling force 222 kN (50 kip)

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 crop discharge table
- Intermediate shear and looper table
- Rolling mill stands
- Rolling mill lubrication systems
- Coil forming equipment
- Coil handling solutions

Primetals Technologies USA LLC
A joint venture of Siemens,
Mitsubishi Heavy Industries and Partners

50 Prescott Street | Worcester, MA 01605 | USA
T +1 508 755-6111 | E contact.usa@primetals.com
primetals.com

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