STÄHLI
FEELING FOR FINISHING

Cylindrical Lapping and Polishing Machines

Industry-Leading Precision – High Production – Dependable – Versatile – User-Friendly Design



Cylindrical Lapping and Polishing Machines

FLM 500-R



Technical Data FLM 500-R

FLM 500-R	
Working Wheel, Outer Ø	500 mm
Pneumatic Lift, 6 bar	0–110 daN
Control Panel	Touchscreen
Variable Speed of Working Wheel	0–75 min-1
Main Drive	2.2 kW
Electrical Requirement	3x380-480 Volt 50/60 Hz
Dimension L x W x H	85x100x200 cm
Weight	approx. 350 kg
Dimensions of Workpieces	Ø 0.7–30 mm 2–200 mm length

Options
Cooling of Working Wheels
Polishing System

Stahli offers two choices of cylindrical lapping and polishing systems, the FLM 500-R and the CLM Series.
The FLM 500-R utilizes the 2-wheel principle, making it ideal for high precision machining of small cylindrical components to tight tolerances. Technological advantages include:

- **Quick adjustment of wheel geometry by means of central screw, enhancing operation efficiency**
- **Even and precise material removal through oscillating movement**
- **Cooling system for lapping wheel enhances performance**
- **Accomodates both high and low production volumes**
- **Durable and compact design**
- **Seamless transition from lapping to polishing**

STÄHLI
FEELING FOR FINISHING

CLM 150-2



Technical Data CLM 150-2

CLM 150-2	
Pair of Lapping Rolls	2
Length of Lapping Rolls	150 mm
Diameter of Workpiece	6–150 mm
Main Drive	0.55 kW
Electrical Requirement	3x380-480 Volt 50/60 Hz
Dimension L x W x H	100x60x110 cm
Weight	ca. 480 kg

CLM 500



Technical Data CLM 500

CLM 500	
Pair of Lapping Rolls	1
Length of Lapping Rolls	500 mm
Diameter of Workpiece	6–150 mm
Main Drive	1.1 kW
Electrical Requirement	3x380-480 Volt 50/60 Hz
Dimension L x W x H	100x60x110 cm
Weight	ca. 550 kg

The CLM Series boosts efficiency with its centerless cylindrical lapping and polishing design, accommodating longer workpieces between two parallel-running rollers. The technological advantages include:

- **User-friendly and ergonomic operation**
- **Accomodates longer individual piece machining or machining for smaller batch lengths**
- **Geometry correction to maintain proper cylindrical shape**
- **Precision bearings for optimal guidance of the lapping rolls**
- **Efficient lapping roll changeover**
- **Quick adjustment of lapping rolls using a handwheel**
- **Optional HMI and semi-automated slurry distribution and part oscillation**

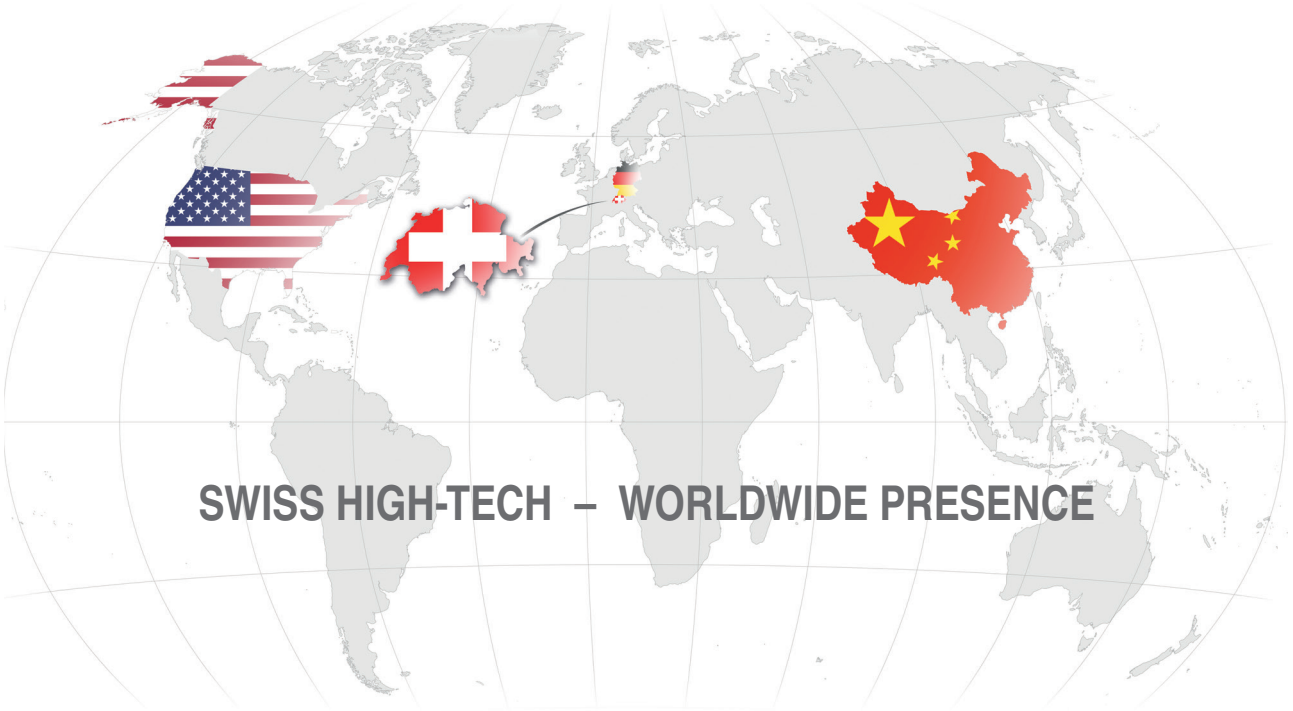
STÄHLI
FEELING FOR FINISHING

As a leading manufacturer of flat honing, lapping, and polishing machines worldwide, Stahli is recognized for both our standard and custom specialized products.

Our technical expertise stems from decades of experience, continually enriched by daily challenges in contract work and the dedication of our skilled workforce. We're eager to share our knowledge with customers through contract services, testing, and complex project studies.

Experience our innovation and reliability firsthand.

Discover more at our website, www.stahliusa.com, or contact our facilities listed below.



SWISS HIGH-TECH – WORLDWIDE PRESENCE

Stahli assumes no liability or responsibility for any errors or omissions

www.stahliusa.com

Consultation, Sales, Machining, and Testing Centers

USA
STAHLI USA, Inc
US-Lake Geneva, WI 53147
Tel. +1 847 719 0360
LTUS@stahli.com

Switzerland
STÄHLI Lapping Technology Ltd
CH-2542 Pieterlen / Biel
Tel. +41 32 376 05 00
LTP@stahli.com

Germany
STÄHLI Läpp-Technik GmbH
DE-71093 Weil i.S. / Stuttgart
Tel. +49 7031 75 779 6
LTS@stahli.com

China
STAHLI Lapping Technology Co., LTD
CN-Haicang, Xiamen
Tel. +86 592 651 3551
LTCN@stahli.com