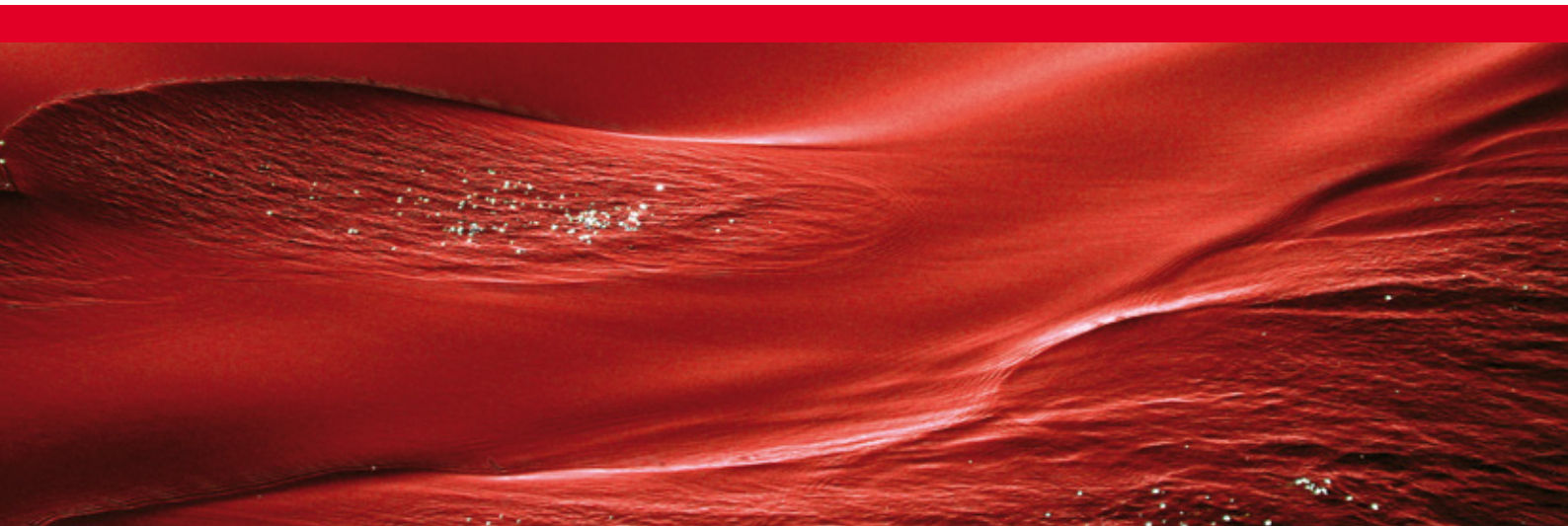


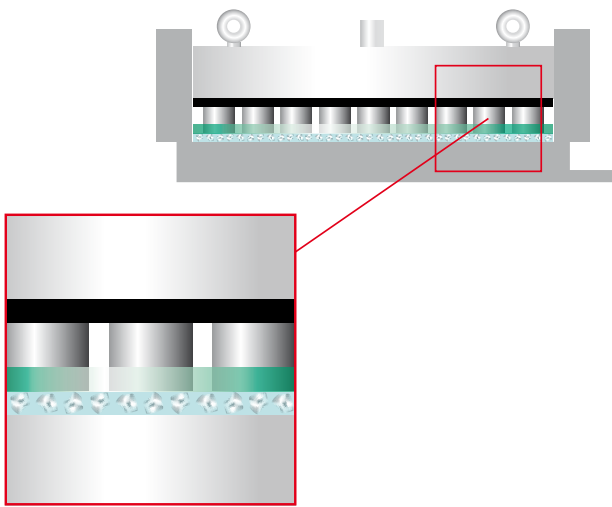
Flat Honing – Lapping – Polishing

Development in mechanical engineering – Commercial machining – Accessories – Consumables



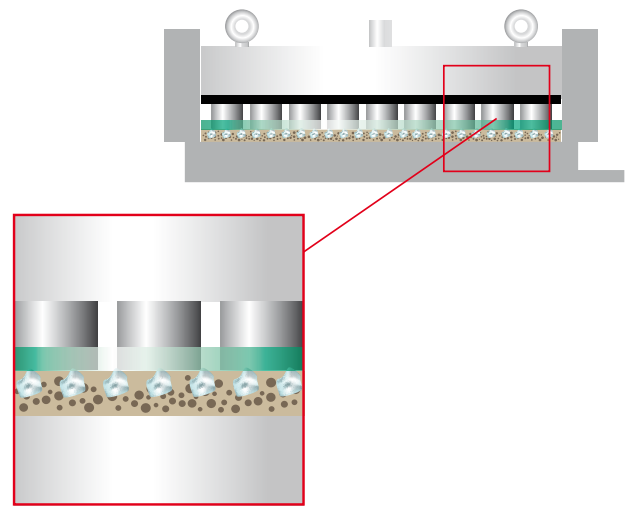
Our Competence

Lapping



Lapping process with vehicle and loose abrasive.
(SiC, Al₂O₃, B₄C)

Polishing



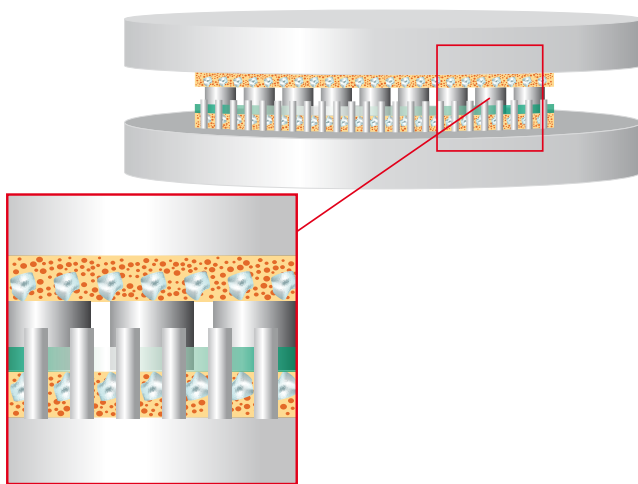
Polishing process with diamond impregnated pad.
(natural or synthetic diamond)

The STÄHLI Group, with a company history encompassing more than 40 years, is one of the most important manufacturers of flat honing, lapping and polishing machines in the world. However, we not only develop and produce ultramodern machine tools,

but also serve our customers through our modern commercial machining centres, in which we not only carry out flat honing, lapping and polishing to the customer's instructions, but we also deal with highly complex project studies.

As a complete system supplier we have at our disposal comprehensive know-how in the field of working wheels, consumables and accessories which we ourselves have developed and manufactured.

Flat Honing



Flat honing process with
super abrasive wheels
(Diamond/CBN)

Flat Honing, Lapping, Polishing

DLM 705

With the expansion of the flat honing technology in the field of 1-, 2- and 3-wheel machines (DLM series) we recognized at an early stage the necessity of this technology for new customer demands and made further developments.

With the DLM series STÄHLI today also combines the most modern mechanical engineering technology with the latest control and measuring technology in connection with automation in different expansion stages.



ZL 501-GIII

A further important module in precision grinding technology on 2-wheel machines is the design by Hahn & Kolb. More than 2000 machines of the series type DUOMAT and ZL are installed worldwide.

At present, the STÄHLI Group provides the after-sales service for these users, supplies them with spare parts, carries out general overhauls and continues to develop the technology.

In the field of surface processing these 2-wheel machines – in cooperation with competent wheels and cooling lubricant manufacturers – represent the ideal technology solution for every task.



FLM 1000



The 1-wheel flat lapping and polishing machines of the FLM series with wheel diameters from 500 to 4000 mm are perfectly optimized for production output.

With its particularly robust design including loading and unloading devices this series is very well suited for mass production with the special feature of wheel correction by means of central geometry adjustment.

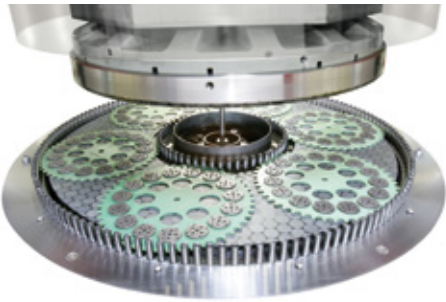
FLM 500



Moreover, through the extension of the FLM series, we have continually developed and adapted the construction of special machines according to customized requests.

Through the combination of the FLM series as well as special machines for glass processing, the STÄHLI Group probably offers the most complete production and sales programme in the 1-wheel sector.

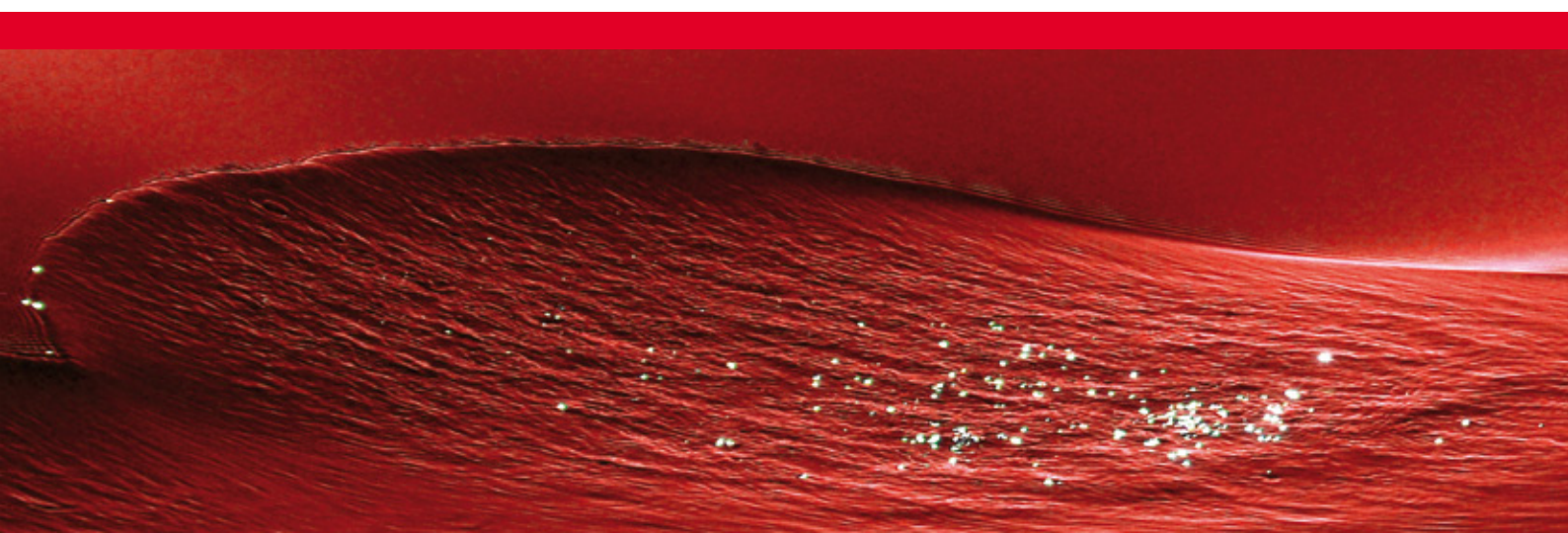
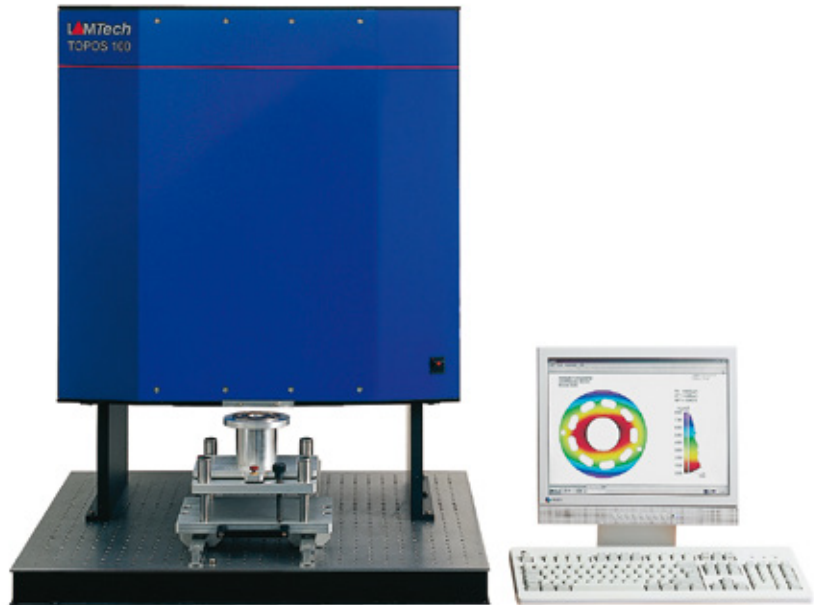
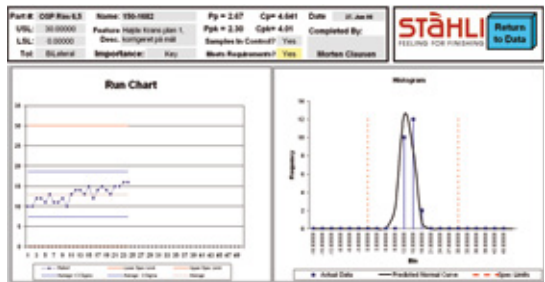
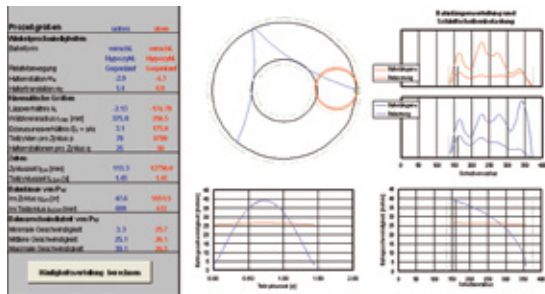
Commercial Machining and Process Development



Since the company's foundation, STÄHLI has attached the greatest importance to the expansion of commercial machining centres with the consequence that the knowledge gained has had a direct influence both on the improvement of the machine tools, and the process developments in the 1-, 2- and 3-wheel field.

Also worth mentioning are the unique STÄHLI Technology guides. "The Technique of Lapping" and "Flathoning and Lapping with Two-Wheel Machines" by A.W. Stähli. Comprehensive lapping seminars in Pieterlen/Biel, Weil i.S./Stuttgart or Lake Zurich/Chicago as well as training at the customer's site complete the STÄHLI Group's wide range of service.

Through close cooperation with scientific institutes and universities at home and abroad the STÄHLI Group is also very active in the field of research and development, and continuously contributes to the latest development projects.



Accessories, Measuring Consumables

The STÄHLI Group's range extends from specialized lapping abrasive distribution systems, spraying devices, dressing systems, templates, carriers, precision straight edges for checking wheels, polishing tables, monochromatic inspection lights and optical flats through to automatic flatness testing devices.

Lapping wheels, dressing rings, fixed abrasives wheels and rings also for third-party manufacturers machines, lapping oils and powders, diamond fluids and polishing wheels round off the STÄHLI Group's wide range as a competent system suppliers.



We are one of the leading companies worldwide in the manufacture of flat honing, lapping and polishing machines. At our customers we are known just as much by our standard products as by custom-made and need-oriented special products. This

special know-how results from decades of experience from daily new assignments in contract work and the support of our expert and committed workforce. We are happy to pass on our know-how to our customers within the framework of contract

work, tests and complex or experimental project studies. Put to the test our reliability and innovative dynamism. Further information may be obtained from the addresses listed or from our homepage.

Consultation and Sales, Machining and Testing centres

Switzerland

STÄHLI Lapping Technology Ltd
Sägestrasse 10
CH-2542 Pieterlen/Biel
Phone +41 32 376 05 00
Fax +41 32 376 05 09
LTP@stahli.com

STÄHLI Lapping Technology Ltd
Zürcherstrasse 262
CH-8406 Winterthur
Phone +41 52 203 50 51
Fax +41 52 203 21 40
LTW@stahli.com

Germany

STÄHLI Läpp-Technik GmbH
Max-Brose-Strasse 3
DE-771093 Weil i.S./Stuttgart
Phone +49 7031 75 779 6
Fax +49 7031 75 779 80
LTS@stahli.com

North America

STAHLI USA, Inc.
Midwest Headquarters
505 Oakwood, Suite 220
US-Lake Zurich IL, 60047
Phone +1 847 719 0360
Fax +1 847 719 0361
LTUS@stahli.com

www.stahli.com

