

# Stähli DLM 805 Flat Honing Machine

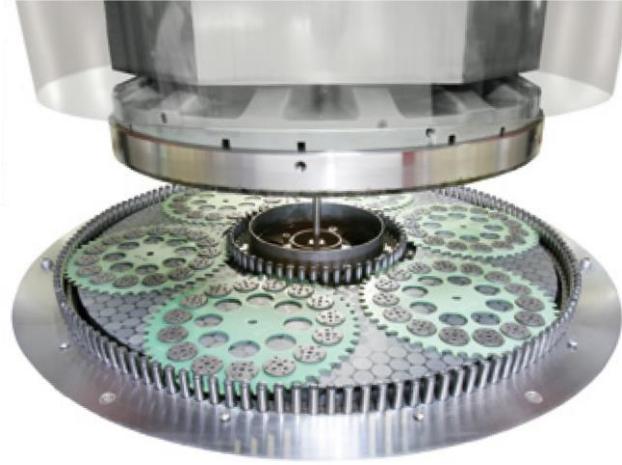
## Investment Advantages

- Increased productivity reduces Payback Period while freeing up working capital
- Fixed baseline cost with added increase in productivity



## Technological Advantages

- Dual column (wheel support frame) allows for higher working pressures and wheel speeds
- Higher pressures and wheel speeds allows for a larger array of super-abrasive wheel choices
- Flow cooling system of the working wheel
- Quick loading and unloading thanks to the ingenious "Sandwich-system"
- Process controlled machining
- Integrated computer-assisted measurement
- High availability
- High precision in-process size measuring system
- Incidental analysis by machine control
- Remote maintenance / telediagnostic online-support
- Process adapted drives / speeds
- Mineral cast structure guarantees top thermal and mechanical endurance
- Loading and unloading for optimal workflow
- Energy-efficient
- Short changeover time
- Part or full automation easily interlinked to precision deburring systems or the like
- Possibility of process reports



## Technical Data

		DLM 805
Working wheel-Ø		<b>820 / 860 mm</b>
Carrier reference-Ø for 6 pce		285 mm
Carrier reference-Ø for 8 pce		240 mm
Switch off precision		0.1 µm
Distance between working wheels		< 390 mm
Drives	upper spindle	13, 18, 39 kW
	lower spindle	13, 18, 39 kW
	Centre drive	7.5, 11 kW
Speeds	Working wheels, cont. variable	0-250, -400, -600 min <sup>-1</sup>
	Centre drive, cont. variable	0-125, -220 min <sup>-1</sup>
Direction of rotation, all drives		at choice
Workload upper spindle		0 – 2000 / 4000 daN
Pressure preset / ramps		at choice
Types of workload		hydraulic
Electrical equipment		3 x 400 / 480 V, N+PE, 50/60 Hz
Control voltage		24 V DC
Machine colour standard		RAL 1013 pearl white RAL 2002 vermilion
Pneumatic connection		min. 6 bar
Dimensions		approx. 3300 x 1970 x 2600 mm
Weight		approx. 7800 kg

## machined workpieces



## Machine animation

A DLM machine animation available at [www.stahli.com](http://www.stahli.com)

### 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  
200 Sheridan Springs Rd.  
US-Lake Geneva WI, 53147  
Phone +1 847 719 0360  
Fax +1 847 719 0361  
LTUS@stahli.com