



SPECIAL POLISHING MACHINES

www.flp-microfinishing.com

SINGLE PRECISION

Innovative machine concepts for special polishing machines, especially in terms of flat optics, distinguish the unique solutions of the FLP Microfinishing GmbH designs and developments.



SINGLE PRECISION FLP 900 nano

The corporate philosophy behind this special application is to provide exceptional technological support to ensure maximum machine availability throughout the process. The fact that the machines are installed throughout the world attests to their high economic return and reliability.



SINGLE PRECISION FLP 1200 nano

Our decades of experience and the technical know-how accumulated by generations of specialists form the basis for our high-precision machine tools boasting the highest quality and efficiency.

The special series SINGLE PRECISION FLP 600, 900 and 1200 are meant for small and medium-scale production. Their highly modular construction combines high precision with a diversity of applications, ease of handling, and economic viability.

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The special series SINGLE PRECISION FLP 1200 / 1500 / 1800 / 2200 and 2900 with their stability, running smoothness, and precision are the most common machines used for processing larger work pieces for the highest surface quality, flatness, and dimensional accuracy.

The conditioning systems, with high-precision dressing tools and software-based processes, guarantee the form stability of the working disc and the narrowest dimensional tolerances within large-scale series. The component-specific workpiece holders are standard in all machine designs.



SINGLE PRECISION FLP 1200 nano



SINGLE PRECISION FLP 1500 nano

Precision machines in standard designs, capable of undergoing modular expansion with numerous custom-tailored units, allow the creation of individualized high-performance production systems. The thermally stable precision tools and machine chassis form the foundation of all machines in the nano series.

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Compact and ergonomically optimized designs in sturdy and foundation-free construction with special bearing supports and tooling concepts lend the machines their economic benefits and high benchmark.

Energy efficiency solutions, process-data-recording systems, and intelligent maintenance solutions create a sustainable basis for the longevity of the machine.



SINGLE PRECISION FLP 2900 nano



SINGLE PRECISION FLP 4000 nano

As the world's only supplier with this degree of innovation, FLP Microfinishing GmbH also offers the integrated machine concept for special machines in heavy and stand-alone engineering.

The unique constructions made from highly cushioning materials give this type of machine its high performance, running smoothness, and precision. These features are complemented by cutting-edge control, drive and measuring technologies with intuitive controls.

Single Disc Machine Series	SINGLE PRECISION							
Working disc, OD	mm	610	914	1200 / 1500	1800 / 2200	2700 / 2900	3300 / 3500	4000 / 5600
Working stations	pieces	3	3	3	3	3	3	4
Drive power	kW	4	7,5	15	22 /30	22 /30	22 /30	30 /40
PLC / TFT display	option	x	x	x	x	x	x	x
Slurry tank	l	50	50	50	250	300	600	800
Temperature control	option	x	x	x	x	x	x	x
Length x Width	mm	1450 x 1100	1730 x 1350	2180 x 1700	3410 x 2400	3720 x 3500	4950 x 4950	8000 x 16000
Height approx.	mm	1980	1980	2300	2730	2750	4350	4600
Weight approx.	kg	820	1500	3076	6500	31500	68000	115000
Handling systems	option	x	x	x	x	-	x	x

**HIGH END Precision Processing
Our Innovation – Your Progress**

**FLP Microfinishing GmbH
Made in Germany**

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