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FLASH-A Plus

Digital Surfacing Machine

The FLASH-A Plus is an automated enhancement of our tried and tested FLASH series. Considerably increased speed of the tool spindle, combined with a high precision ball bearing, leads to significant improvements in quality and quantity. The combination of an ultrafast tool spindle and a high-performance controller make the FLASH-A Plus one of the most efficient digital surfacing machines on the market.

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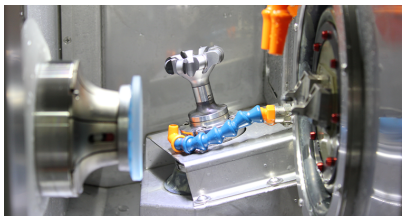
Technical data



	FLASH-A Plus
Application	Automated Entry-level Machine for Surfacing Ophthalmic Lenses
Lens Diameter	40 mm - 85 mm
Working Range Radius cv	Milling -15 dpt / Turning -30 dpt.
Working Range Radius cx	Milling and Turning +30 dpt.
Control	Beckhoff high resolution real-time continuous path control 15" touch screen with interactive user interface
Lens Material	All organic Materials
Productivity	35 lenses/h - 120 lenses/h; depending on process
Tools	Milling Tool: PCD milling tool ø66mm R6.0 HSK; Turning Tool 1: PCD R5.5 mm; Turning Tool 2: Natural diamond tool R2.0 mm
Workpiece Spindles	Drive: Direct driven with high precision ball bearing concept; Interface: Collet Chuck ø43 mm DIN 58766
Air Pressure Requirement	6 bar
Power Requirement (others on request)	6 kW / 400 V / 50 Hz
Dimensions	Width: 1700 mm, Height: 1925 mm, Depth: 1925 mm
Weight (approx.)	1850 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.

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Highlights

- The 4-axis machine FLASH-A Plus was especially designed for the production of prescription lenses made of plastic
- A high dynamic drive concept combined with an ultrafast computer controller enable highest precision in freeform surfacing within shortest processing times
- For processing backsideprogressive, atoric, individual, front progressive and standard toric surfaces
- Automatic loading system
- Machine base made of rigid mineral cast
- FastTool highspeed linear drive
- Application area: Backside progressives; Atorical; Individual; Front progressive; Standard toric; Blended lenses

Performance characteristics

- Cut to smooth: approx. 120 surfaces / hour
- Cut to polish: approx. 45-60 surfaces / hour (Spherical / torical or A-torical)
- Cut to polish: approx. 35-50 surfaces / hour (Freeform)

Options

- Coolant tank
- Barcode hand scanner
- Remote diagnosis
- LAN connection

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