



OptoTech

FLASH Store

Digital Surfacing Machine



The low cost digital surfacing machine FLASH Store is especially designed to offer even small and smallest LAB's an entrance in freeform technology. For the production of freeform surfaces for ophthalmic lenses including edging (elliptical and chamfer) for progressive spherical, toric and atoric lenses with prismatic, concave or convex surfaces made of plastic (CR 39, Polycarbonate, Trivex).



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Technical Data

	FLASH Store
Application	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	20 lenses/h - 50 lenses/h; depending on process
Tools	Milling Tool: PCD milling tool $\varnothing 60$ mm R7; 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 $\varnothing 43$ mm DIN 58766
Air Pressure Requirement	6 bar
Power Requirement (others on request)	4,6 kW / 400 V / 50 Hz
Dimensions	Width: 1280 mm, Height: 1680 mm, Depth: 1330 mm
Weight (approx.)	1050 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- The low cost digital surfacing turning machine FLASH store is especially designed to offer even small and smallest LAB's an entrance in freeform technology
- The simple but high-quality design of the machine allows the production of all plastic materials and designs on the market
- For processing backside progressive, atoric, individual, front progressive and standard toric surfaces
- Machine base made of rigid grey cast
- Fast-Tool highspeed linear drive

Performance Characteristics

- Cut to smooth: approx. 50 surfaces / hour
- Cut to polish: approx. 25-40 surfaces / hour (Spherical / torical or A-torical)
- Cut to polish: approx. 20-35 surfaces / hour (Freeform)

Options

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