



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).



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 ϕ 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 ϕ 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
- FastTool 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