



OptoTech

FLASH-A NG

Digital Surfacing Machine

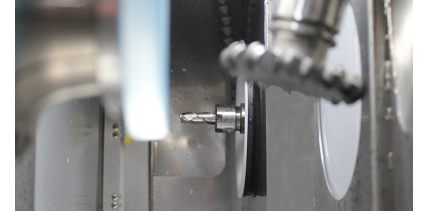


The FLASH-A NG is the most recent member of our FLASH series. Considerably increased speed of the workpiece spindle, combined with an optimized Fast-Tool and a new designed auto loader, leads to significant improvements in quality and quantity. The combination of an optimized ultrafast tool spindle and a high-performance controller make the FLASH-A NG one of the most efficient digital surfacing-turning machines on the market.



Technical data

| | FLASH-A NG |
|---------------------------------------|--|
| Application | Digital Surfacing-Turning Machine |
| 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 | 50 lenses/h - 160 lenses/h; depending on process |
| Tools | Milling Tool: PCD milling tool $\phi 66$ mm R6.0 HSK; Turning Tool 1: Natural diamond tool R2.0 mm; Turning Tool 2 (Option): PCD R5.5 mm |
| Workpiece Spindle | Drive: Direct driven with high precision ball bearing concept; Interface: Collet Chuck $\phi 43$ mm DIN 58766 |
| Air Pressure Requirement | 6 bar |
| Power Requirement (others on request) | 8 kW / 400 V / 50 Hz |
| Dimensions | Width: 1735 mm, Height: 1740 mm, Depth: 1975 mm |
| Weight (approx.) | 2750 kg |
| Disclaimer | All data are subject to change without notice. Please verify details with OptoTech. |





Highlights

- The new 4-axis machine FLASH-A NG is 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
- Integrated cribbing spindle for lenses with a very small diameter (option)
- Optimized automatic loading system for shortest loading/unloading
- Special machine base for highest precision
- Mass optimized FastTool highspeed linear drive with highest dynamics

Performance characteristics

- Cut to smooth: approx. 160 surfaces / hour
- Cut to polish: approx. up to 80 surfaces / hour (Spherical / torical or A-torical)
- Cut to polish: approx. up to 80 surfaces / hour (Freeform)

Options

- Cribbing spindle
- Coolant tank
- Coolant finest filter
- Barcode hand scanner
- Remote diagnosis
- LAN connection