



OptoTech

FLASH-A *NG*

Digital Surfacing-Turning 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.

Smart Solutions for Professionals



Type	FLASH-A NG
Working Range Diameter	51-85 mm
Working Range Radius cx	milling and turning +25 dpt.
Working Range Radius cc	milling -15 dpt / turning -25 dpt.
Materials	CR39, Polycarbonate, Trivex, high index materials
Milling Tool	PCD Tools ø66mm R6.0 HSK
Turning Tool 1	Natural diamond tool R2.0 mm
Turning Tool 2 (Option)	PCD R5.5 mm
Workpiece Spindles	Direct driven with high precision ball bearing concept. Workpiece reception: collet chuck ø43 mm DIN 58766
CNC-Controller	Beckhoff high resolution real-time continuous path control 15" touch screen with interactive user interface
Software	Microsoft Windows 10 and „Opto-Lab“ system
Air Pressure	Min. 6 bar
Power Supply	400V, 50 Hz (others on request)
Dimensions (WxDxH)	1731 x 1972 x 1739 mm
Weight	Approx. 2750 kg



- Digital-Surfacing-Turning Machine for the production of freeform surfaces including edging (elliptical and chamfer) for progressive, spherical, toric and atoric lenses with prismatic, concave or convex surfaces made of plastic (CR 39, Polycarbonate and Trivex)
- Equipped with a powerful C-Axis with 6000rpm and a fast spindle exchange system
- Optimized Fast-Tool with minimized mass for highest dynamics
- New designed auto Loader for fastest loading and unloading
- Cribbing spindle (option) for lenses with a very small diameter
- Highest precision due to optimized machine base

Accessories & Options:

- Cribbing spindle
- Coolant tanks
- Coolant finest filter
- Barcode hand scanner
- Remote diagnostic
- LAN connection

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