



OptoTech

ESM Twin-A

Digital Surfacing Machine

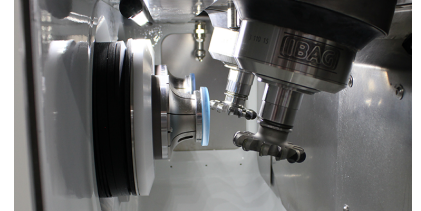


The new digital surfacing machine ESM Twin-A is the ideal complement to our FLASH Twin-A. Due to the usage of 2 milling spindles the ESM Twin-A is able to simultaneously process 2 freeform lenses. Considerably increased speed of the tool spindles, combined with a high-class drive concept, leads to significant improvements in quality and quantity.



Technical Data

	ESM Twin-A
Application	Digital Surfacing Machine for Pre-Grinding
Lens Diameter	51 mm - 85 mm
Working Range Radius cv	Milling -12 dpt.
Working Range Radius cx	Milling +30 dpt.
Control	Beckhoff high resolution real-time continuous path control 15" touch screen
Lens Material	All organic Materials
Number of Milling Tools	2
Productivity	60 lenses/h - 200 lenses/h; depending on process
Tools	Milling Tools: PCD Tools ø66mm R6 HSK
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)	400 V / 50 Hz
Dimensions	Width: 1944 mm, Height: 1955 mm, Depth: 1886 mm
Weight (approx.)	1900 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.



Highlights

- Increased speed of the spindles, combined with a high-class drive concept, leads to significant improvements in quality and quantity
- 2 lenses processed at the same time by 2 simultaneously working milling tools
- Optimized automatic loading unit
- Lowest vibration
- Ideal pre-cutter for our FLASH Twin-A

Performance Characteristics

Application area: Backside progressives; Atorical; Individual; Front progressive; Standard toric; Blended lenses

Options

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