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IQ-Synergy Taper

New Generation Auto Taper

Fully automated front side lens taping, using proven marketleading technology. The new design boasts several value-added features to precisely control tape application, ensuring excellent adhesion and uniformity across the entire range of semi-finished blanks. The IQ-Synergy Taper is part of the all-new flagship IQ-Synergy Series. This series combines a range of innovative machines and processes, setting new benchmarks in lens production and creating the ultimate smart lab.

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Technical Data

	IQ-Synergy Taper
Application	Automated Semi-Finished Lens Taping
Lens Diameter	55 mm - 84 mm
Lens Material	All Material
Productivity	300 lenses/h
Tape Length	max. 210 m
Tapes	OT Pro Tape
Air Pressure Requirement	5 bar
Power Requirement (others on request)	1,2 kVA / 110-240 V / 50-60 Hz
Dimensions	Width: 1100 mm, Height: 1800 mm, Depth: 1800 mm
Weight (approx.)	800 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.

Highlights

- Ultimate protection for your lenses: Designed for reliable tape application on semi-finished lenses
- State-of-the-art controll system with intuitive user interface
- Tape tensioning device to control uniformity
- No driving power on the foil due to optimized kinematics
- Energy efficient: Advanced vacuum technology and electrical axis control significantly reduces energy consumption
- Process control: Integrated blade condition monitoring and macro-controlled application parameters ensure consistent performance
- Industry 4.0 enabled: On-board energy and process monitoring systems, with open data communication interface
- Innovative Design: Combining style with functionality to create a refined user experience
- Recommended consumables: OT Pro Tape

System Advantages

- Fastest Taper on the market
- Productivity: Efficient handling and application process maximizes output
- Consistency: Improved vacuum and kinematic control ensures reliable and repeatable tape application
- Smart: Integrated monitoring systems and process control features

Options

- Front curve measuring system to prevent mishandling and to monitor blank radius accuracy
- Rejection conveyor to ensure efficient handling of unprocessed lenses
- Discharge conveyor directly at the machine for optimized material flow
- Blow-off unit with ionized air for an absolutely dust-free front curve before taping

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