Lens Washer

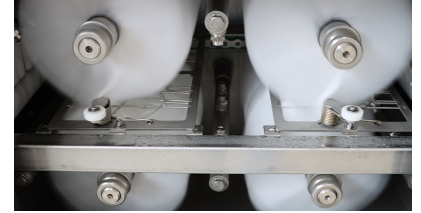**Automatic Brush Washing Machine for Ophthalmic Lenses**

The Lens Washer is a fully automated system for cleaning ophthalmic lenses and sun protection lenses made of plastic and mineral glass, as well as casting molds made of mineral glass. It removes any adhesive, polishing or dirt residues and fingerprints on the surface lens.

OptoTech

Données techniques

	Lens Washer
Lens Diameter	45 mm - 90 mm
Lens Material	All Material
Productivity	480 lenses/h
Power Requirement (others on request)	400 V / 50 Hz 3 Phase
Dimensions	Width: 5840 mm, Height: 2800 mm, Depth: 1305 mm
Weight (approx.)	3400 kg

Highlights

- Modular System: Number of chambers can be defined individually according to customer requirements
- Brush station with 4 rotating brushes with adjustable rpm driven by servomotors
- Regulated water flow and temperatures up to 90° C depending on process
- Fully equipped water tanks with integrated heating elements and sensor system for consistent temperature management
- Job Identification: Job can be identified in every stage
- Special Air Control System for unreached dry lenses
- Optimized energy concept: double-walled casing with insulation material for significant heat and energy conservation
- Inline System: With smooth handling for automatic loading and unloading

System Advantages

- Multi-stage cleaning process for spotless lens surface. Perfect preparation for the inspection process (surface ready for inspection).
- Optimized energy concept
- Best accessibility for service and maintenance

Performance Characteristics

Multi-stage cleaning process for spotless lens surface:
1. The first brush chamber operates with a process-optimizing cleaning agent to dissolve any hard residues
2. The second stage consists of brush and rinsing chambers incl. transfer chambers that use DI-water to remove any substances on the lenses
3. In the last stage the lenses are dried in a drying chamber with a unique air jet and filter system for precise air control