

Application: Cleaning Optics	Date: Feb 15, 2023
Serial number: T004-0723	Machine model: Nu/Clean™ 318 XLR
Machine type: Conveyorized Belt	Industry: Medical/Pharmaceutical/Food

Customer summary:	A company specializing in advanced photochromic lenses that adapt to light changes, offering enhanced visual comfort and protection.
Item to clean:	Optical Lenses
Contamination:	Processing oils, polishing residue, fine particulates, and chemical films from lens manufacturing
Cleanliness requirement:	Residue-free, optically clean surfaces suitable for coating and final inspection
Dryness requirement:	Completely dry with no water spots or streaking prior to downstream handling and coating
Production rate:	Inline, continuous conveyor processing for high-volume lens production (full 18" process width, automated flow)
Process parameters:	Wash, Rinse, Dry

Customer background:

A global manufacturer of advanced optical lenses and coatings serving the ophthalmic eyewear industry, focused on high-quality, high-volume precision production.

Challenge:

Remove fine residues and chemicals from delicate optical lenses without damage, while meeting strict cleanliness and dryness standards at production speed.

Solution:

Nu/Clean™ 318 XLR inline aqueous cleaning system with multi-stage wash, rinse, isolation, and advanced drying, configured with special belt pockets and radiant convected drying.

Cleaning Method:

Inline multi-stage aqueous spray cleaning with heated wash, isolation rinse, recirculating rinse, final DI rinse, followed by high-efficiency air knife and IR tunnel drying.

