

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

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

