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EZ Coat System

Overview

EZCoat is an optical back surface coating system. The system washes, drys, coat and cures the lens for eye glasses. The loading station uses a vacuum chuck to hold the lens. All processing parameters are configured through recipe driven HMI. The HMI allows secured password protected screens with login. Alarms and event logging as well as autonomous actions of each components.

The system can run in two modes: Normal & Inspection Modes. Normal Mode process the lens from start to finish. Inspection Mode will halt the lens after coating, allow the user to inspect the quality of the coating, and continue or reject the lens.

Intended for the retail industry to produce coated lens in under 90 seconds.

Wash & Dry Station

The wash and dry station spins the lens at a configured spindle speed. Washes the lens and drys both the front and back sides for a user defined time. Software interface for priming the wash station at initial startup.

Coating Station

The coating station uses an in-line 5 micron filter and an easy adjustment for coating stream. User defined parameters for spin speeds and time per coating product. Software interface for priming of the coating pump at initial setups. Hepa filters ensures the quality of the air within the unit to minimize defects.

Cure Station

The cure station cures the coating. With multiple parameters and options to ensure even surface curing. A sleep mode will turn off the lamp automatically after no usage for a user defined time. Blowers & heat sinks cools the lamp during runtime.