

FlexCoat[®]

Super R&D Lens Coating System

The Only spin coater developed for R&D!



- Spin coats any commercial coating – **UV** or Thermal Cure!
- PLC for multiple program routines
- Handles 4 coatings with dedicated nozzles
- Programmable wash & coating application / spin off speeds & time for Maximum R&D Range
- Easy to use



Includes a custom-modified Hazardous Location refrigerator system with stainless steel tank & pump...**and** built-in Inspection Light!

FLEXIBLE - Quick change outs with minimal waste & clean-up!

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LESCO[™]
www.lescouv.com

Other FlexCoat™ Features:

- Easy to clean Stainless Steel construction
- Center-fire nozzles - for low or high viscosity coatings
- Three 50cc syringes for small volume experiments
- Digital High Precision Spin Controller
- Adjustable syringe volume / pressure system
- Adjustable high pressure distilled water wash
- Pressurized solvent system for purging nozzles
- Removable clear coating bowl for easier set-up of coating operation
- Stainless Steel sleeve to protect the bowl from coating build-up or solvent attack
- Vacuum chuck to hold and spin the heaviest or asymmetric lenses - also makes for easy lens removal
- PLC locking program prevents parameter change for controlled experiments - “no accidents!”
- Remote Status & Access port
- Custom programming available
- **Integrated refrigerator for use with thermally sensitive coatings:**
 - Easy rinse & clean of the coating line from refrigerator (eliminates “overnight” coating cure)
 - Removable large 3-liter coating tank in refrigerator
 - SS spill tray, Lockable front door
 - Additional storage for thermally sensitive coatings
 - High displacement precision coating pump
- Safety interlocks, Easy installation

Options:

HEPA Filter

FlexCoat is designed to work in most lab environments but for critical applications, a HEPA filter is available. HEPA-filtered air over the wash & coating stations (when coating is not being applied) keeps working area clean, but does not induce turbulence during the actual coating application.

Pilot Run Package

This large run option includes a one liter tank w/inline filter for higher volume pilot runs, and a high precision displacement coating pump with easy to adjust volume & pressure controls.

Nitrogen Dry

An air or nitrogen “dry” in the wash cycle is available for water sensitive coatings.

Coating Station Fume Exhaust

Provides automatic PLC-Controlled cycled exhaust of solvent fumes after the coating cycle.

System Requirements:

Input Power: 110V / 60 Hz / 1ph. / 10A

(220V / 50 Hz also available)

Input Air: 80 psi min – 120 psi max, 3 scfm max., filtered, water-free

Input Water: DISTILLED WATER ONLY, 10 psi maximum line pressure or non-pressurized supply (1 gal/hr typical maximum consumption)

Input Nitrogen (optional): 80 psi min – 120 psi max, 0.75 scfm min., industrial grade filtered, water-free

System Specifications:

Spin Speed Range: 300 – 2000 RPM, programmable (3000 RPM optional)

Spin Time Range: 1 – 30 seconds, programmable

Syringe Dispense Time: 0.001 – 10 seconds

Syringe Pressure Range: 0.005-0.2 MPa

Dimensions:

Coater: 28”W x 27”D x 21.5”H

Refrigerator: 24”W x 24”D x 34”H



Coating Station



Also Available - Matched Curing Options!

LESCO, the world leader in UV curing, has both Ultraviolet and Thermal curing stations (or “ovens”) which have been designed to meet FlexCoat specifications and most commercial coating requirements. Call for information or quote.



IR Cure

UV Cure

ONLY FROM
LESCO™
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