

CUSTOM CAST FILM AND MEMBRANE PARTNERSHIPS

Carestream's multilayer coating partnerships and prototyping enable cost-effective, large volume casting of polymer membranes and films.

We provide partners with project-ready coating and manufacturing facilities for the development of a wide variety of precision-coated structures. Partners leverage our aqueous and solvent coating proficiency at bench, pilot and production scale to produce extremely uniform custom cast films and membranes at high line speeds including silicone films, optically clear adhesives and thin polycarbonate films. Our coating assets feature the longest precision-controlled ovens in North America (up to 2,000 ft.), backed by stringent clean room, quality inspection and analytical testing practices.

Casting Capabilities:

- Precision thickness uniformity as tight as $\pm 1\%$
- On-site mixing of the formulation(s)
- Ability to handle chlorinated solvents
- Slot die, slide and curtain coating
- Long zone-controlled dryers
- Clean room coating and drying
- Optional UV curing
- Multilayer coating – additional layer(s) in-line
- Lamination of protective overlays
- 100% automated optical inspection

Process Development Advantages:

- Lab, pilot and production coaters available to scale-up solution-cast products
- Relationships with substrate / chemical suppliers

Custom Cast Film and Membrane Product Expertise:

- Silicone film for display, lighting, medical and acoustic membranes
- Polycarbonate film
- Optically clear adhesives for touch screen and display applications
- Cast precision membranes
- Polyurethane film for wound care, ballistic glass, medical devices
- Electro active polymers for haptic membranes, actuators, energy generation
- PMMA film for display and solar
- PVDF film for automotive, aerospace and architectural
- PVDC for pharmaceutical barrier
- Electrodes for advanced batteries

ABOUT CARESTREAM

Precision Multilayer Coating Partnerships

Building on more than 100 years of precision multilayer coating leadership, Carestream applies aqueous and solvent coating proficiency at bench, pilot and production-scale manufacturing for optimal product design, technology integration and manufacturability. Partners leverage Carestream's coating expertise, manufacturing assets and new product commercialization processes to develop precision-coated and cast film applications for a wide range of energy storage, display, medical, optical, electronic and other advanced materials products. Carestream actively seeks growth partnerships, which combine customer product IP and market channels with its high-speed roll-to-roll processing, quality systems and worldwide presence to bring new products through commercialization quickly and efficiently.

For more information, contact **541.831.7374** or **info@tollcoating.com** to learn how to partner with Carestream to develop your cast film or membrane products through commercial scale-up.