



AcuraCoat® Online CVD Glass Coating System

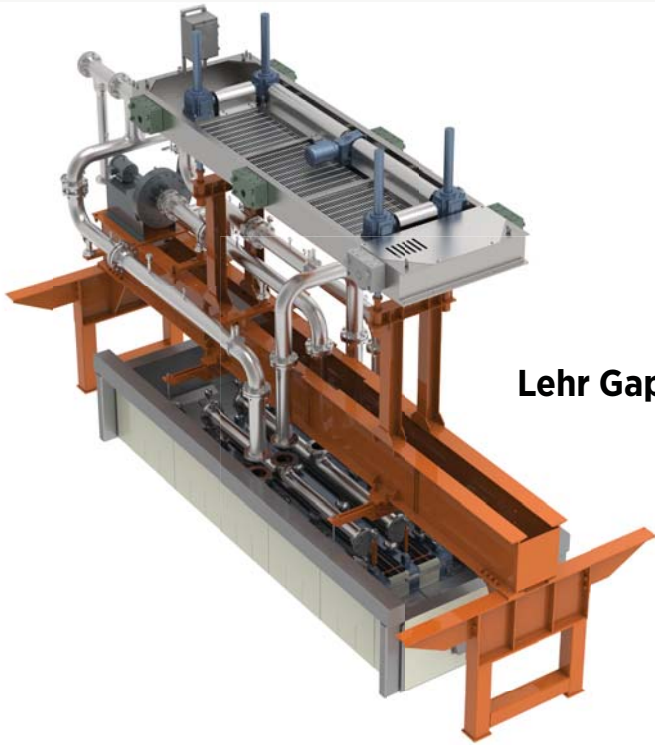
High Margin Specialty Float Glass Products

AcuraCoat® online CVD coating systems transform low-margin float lines into highly profitable value-added glass facilities. For new facilities or retrofits, adding an AcuraCoat online CVD coating system is a proven way to increase profit.

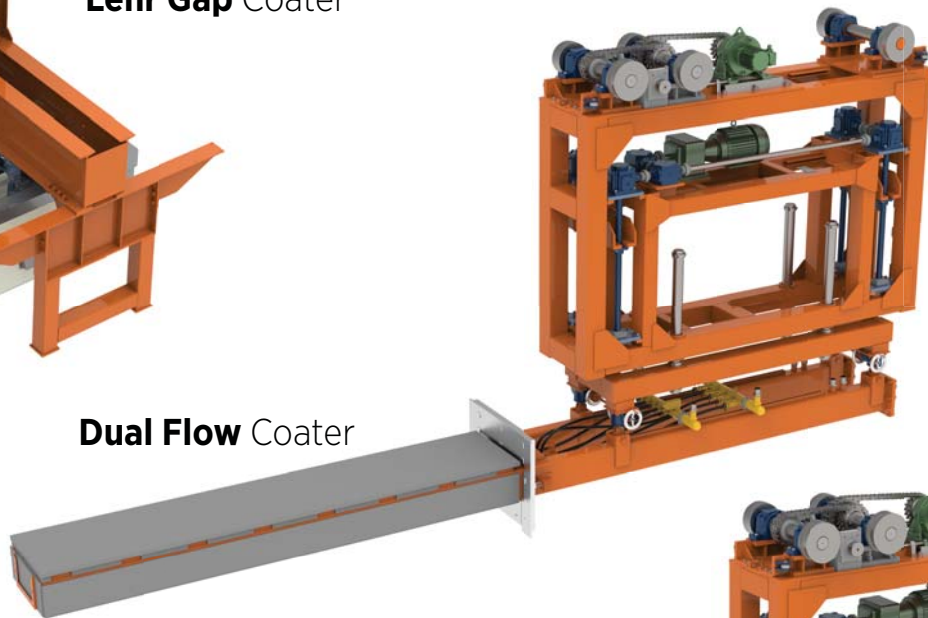


Each AcuraCoat® System includes:

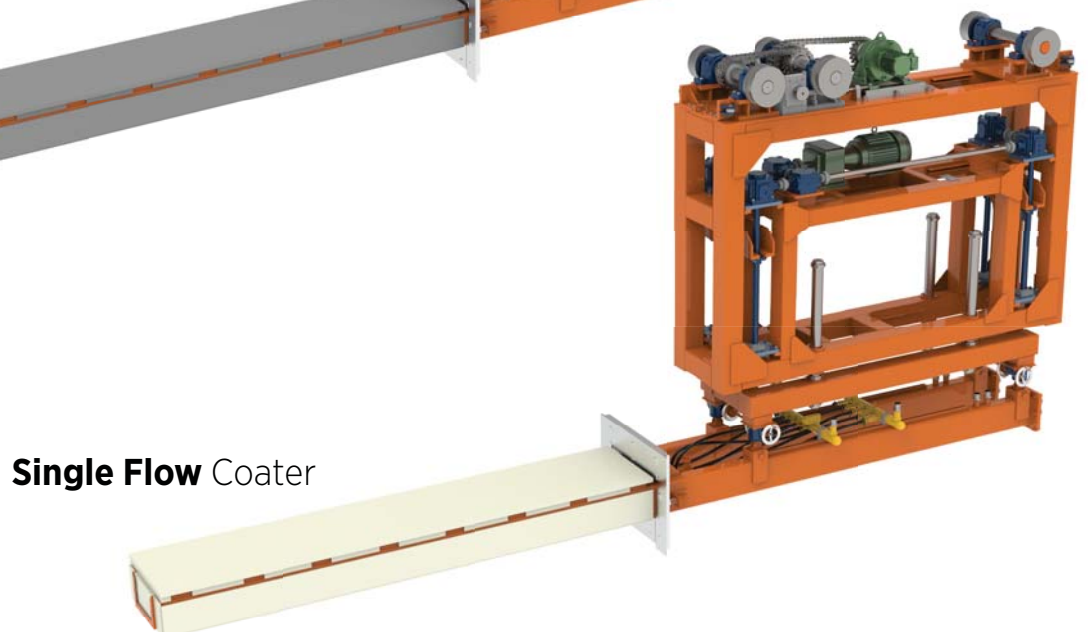
- Custom Engineering
- Coater Fabrication
- Project Management
- Production Guarantees
- Chemistry Recipes
- Ongoing Technical Support
- System Installation & Commissioning
- Auxiliary Equipment
- Single-Use Operating License
- Emission Control



Lehr Gap Coater



Dual Flow Coater



Single Flow Coater



Specifications

Capacity	~75,000 m ² per day (2.3 mm, 600 MTPD)
Glass Thickness Range	1.5 – 12 mm
Coating Width Range	Up to jumbo glass width
Glass Handling	No edge-deletion or special handling required
Shelf Life	Extends shelf life of base glass
Packaging	Does not require bagging or desiccant
Glazing	Monolithic or insulated unit options available

Technology & Process

The AcuraCoat® CVD system deposits thin ceramic layers of metal oxides onto 600 – 700 °C glass. The CVD coatings are more mechanically and chemically durable than the glass itself, which is why CVD coating is called ‘hard coating’.

A single coater deposits one layer. Using coaters in series can create more layers that enhance optical and performance properties, resulting in highly profitable products.

Supervisors with basic technical skills and operational training are able to operate the AcuraCoat® system with ease. AcuraCoat® online CVD hard coaters slash capital and operating costs compared to offline glass coating systems.



AcuraCoat® Functional Coatings

Low E

Appearance	Invisible, Color-Neutral
Applications	Residential, Commercial, Appliances
Cost	Half of the manufacturing cost compared to sputter (including base glass)
Regional Use	In all climates, low E CVD hard coatings outperform sputter soft coatings in investment payback, durability, and reliability

Reflective

Appearance	Reflective silver or gold, other colors possible
Applications	Commercial, Appliance, Cosmetic
Cost	Half of the manufacturing cost compared to sputter (including base glass)
Regional Use	In all climates, reflective CVD hard coatings outperform sputter soft coatings in investment payback, durability, and reliability

SunLite Solar Control

Appearance	Adds blue-grey hue
Applications	Commercial, Residential, Automotive, Appliance
Cost	Half of the manufacturing cost compared to sputter (including base glass)
Regional Use	In all climates, SunLite CVD hard coatings outperform sputter soft coatings in investment payback, durability, and reliability

Transparent Conductive Oxides (TCO)

Appearance	Color-neutral, high transmission with haze control as needed
Applications	Photovoltaic, Commercial refrigerator reach-in-doors (RID), touch screens, displays, tempest control, defrosting of bulletproof windows
Cost	One-tenth of the manufacturing cost compared to sputter (including base glass)
Regional Use	In all climates, TCO CVD hard coatings outperform sputter soft coatings in investment payback, durability, and reliability

Self-Cleaning

Appearance	Ranges from color-neutral to reflective silver
Applications	Airport installations, Lighting, Commercial, Automotive
Regional Use	In all climates, self-cleaning CVD hard coatings outperform sputter soft coatings in investment payback, durability, and reliability

Anti-Reflective

Appearance	Color-neutral
Applications	Solar, Displays, Touch Screens, Lighting, Commercial
Regional Use	In all climates, anti-reflective CVD hard coatings outperform sputter soft coatings in investment payback, durability, and reliability