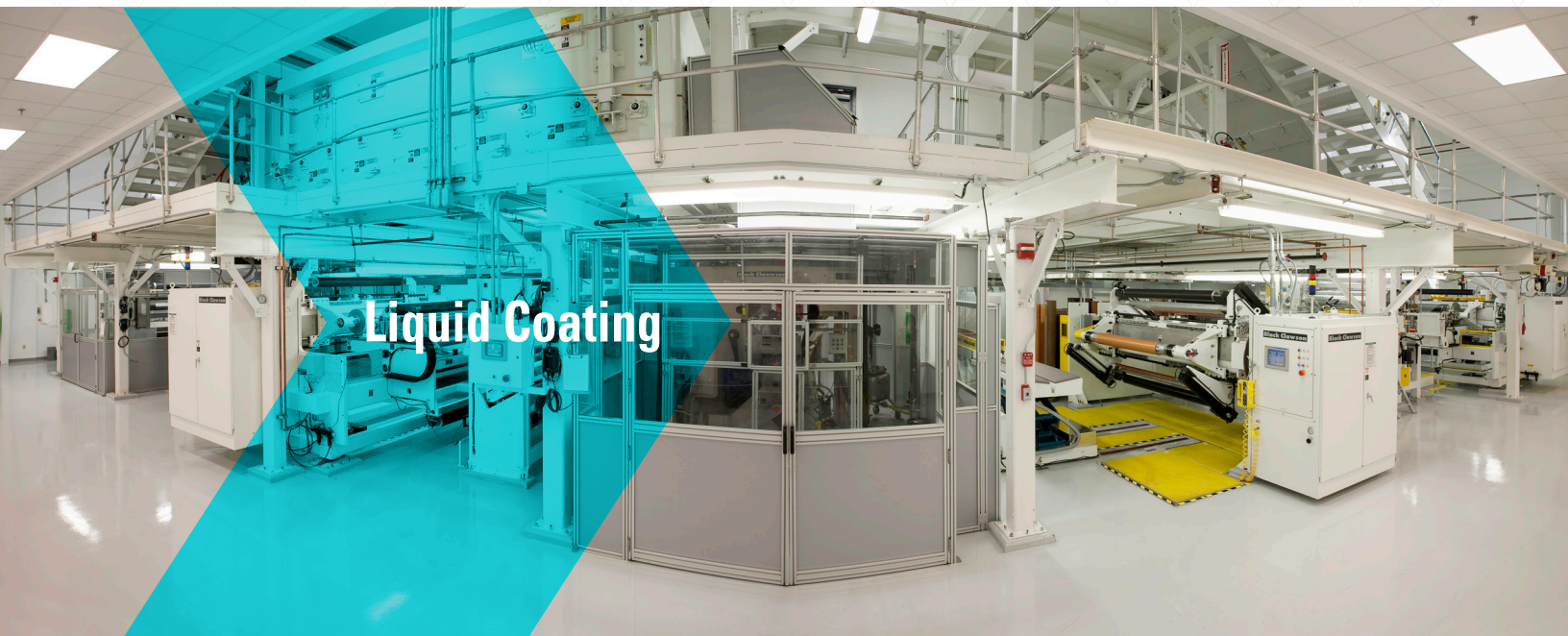




# DAVIS-STANDARD®

Where your ideas take shape.



## Tandem Window Film Coating Line

### Overview

The Davis-Standard Window Film Line uses the versatility of the Series 4000 Cartridge Coater, advanced drying technology, advanced UV curing, laminating, specialized unwind and winding technology to ensure converters produce highest quality window film possible. This process is available for testing and evaluation at our Research and Technical Center in Fulton, New York.

### Advantages

- Best in class optically clear window film
- Provide tailored solutions to meet customer needs
- Global locations for quick response, parts and service
- Process and application expertise

### Features

- Dual-Direction Turret Unwind / Splicer
- Series 4000 Cartridge Coater
  - Reverse Gravure
  - Slot Die with Vacuum Box
- Advanced Dryer Technology
- Advanced UV Curing (nitrogen inerted)
- Single Direction Turret Winder / Roll Changer
- Station Knife and Zip Knife
- Integrator PRO Supervisory Control System
- AC Vector Drives

# Tandem Window Film Coating Line

	Coat Weight	% Solids	Viscosity
<b>Primer</b>	0.035 to 1.0 lbs./3000ft <sup>2</sup>	5 to 20	< 50 cps
<b>Scratch Resist</b>	1.0 to 1.5 lbs./3000ft <sup>2</sup>	30 to 60	< 100 cps
<b>Laminate Adhesive</b>	1.0 to 10.0 lbs./3000ft <sup>2</sup>	10 to 40	< 400 cps
<b>Mounting Adhesive</b>	10.0 to 20.0 lbs./3000ft <sup>2</sup>	10 to 40	< 400 cps

## Machine Data

- Roll Face: 96 inches maximum (2439 mm)
- Web Width: up to 90 inches (2286 mm)
- Substrates: PET, MPET, Laminated Structure 0.5 mil to 22 mil (12.5 $\mu$  to 550 $\mu$ )
- Line Speed: up to 500 fpm (150 mpm) (tailored to process) Typ. 200 fpm (60 mpm)
- Tension Range: 10 to 250 lbs (4.5 – 113 kgs)
- Dryer Lengths: Scratch Resist 25 ft (7.6 m) Adhesive 80 ft (24.4 m), tailored to process

## Standard Features

- Dual Direction Turret Unwind / Splicer
- Web Guide
- Pull Roll
- Web Cleaner
- Cartridge Coater
  - Reverse Gravure
  - Slot Die
- Coater Enclosure
  - ISO 3 (Class 1000) Clean Room
- Roll Support Dryer
- UV Curing
- Laminator / Cooling Station
- Auxiliary Dual Direction Turret Unwind / Splicer
- Web Guide
- Edge Trim
- Single Direction Turret Winder / Roll Changer
- Patented Stationary Knife
- AC Vector Drives
- Integrator PRO Supervisory Control System

## Optional Features

- Roll Handling
- Corona Treater
- Oxidizer
- E-Beam
- Dual Direction Turret Winder / Roll Changer
- Ozone Decomposer
- Single Position Terminal Equipment
- Custom Design Dryers
- Stripper Winder
- Alternative Coater Cartridges
  - Rod Cartridge
  - Flex Lip Slot Die Cartridge
  - EDDBA Gravure Cartridge
  - PGH Pressurized Gravure Head