



DAVIS-STANDARD®

Where your ideas take shape.



Liquid Coating & Laminating

LITHIUM BATTERY LINE

Overview

The Davis-Standard, LLC Battery Line uses the versatility of our Series 4000 Cartridge Coater, advanced drying technology, and renowned winding technology to ensure that converters run faster and still produce the highest quality batteries possible. This process is available for testing and evaluation at our Research and Technical Center in Fulton, NY.

Features

- Single Position Unwind
- Pull Roll
- Slot Die Cartridge Coater
- Advanced Dryer Technology
- Cooling Section
- Calendaring
- Single Position Winder
- AC Vector Drives

LITHIUM BATTERY LINE

STANDARD FEATURES

- Single Position Unwind
- Web Guide
- Pull Roll
- Slot Die Cartridge Coater
- Coating Supply System
- Coater Enclosure
- Dryer
- Cooling Section
- Calendar
- Single Position Winder
- Solvent Coating System
- AC Vector Drives
- Integrator PRO Supervisory Control System

MACHINE DATA

- Roll Face: 26 inches max. (660mm)
- Web Width: up to 20 inches (500 mm)
- Substrates: Cu, Al, Films
- Line Speed: typically 50 to 100 FPM (15 to 30 mpm)
- Tension Range: 10 to 100 lbs (4.5-45.4 kg)
- Dryer Length: (tailored to process)

OPTIONAL FEATURES

- Oxidizer
- Gauge System
- Roll Handling
- Alternative Coater Cartridges: Reverse Roll, Knife Over Roll

COATING SPECIFICATIONS

Anode	(Cu) Copper Foil	4 to 10 mils	Carbon Slurry	40 to 60% solids
Cathode	(Al) Aluminum Foil	6 to 16 mils	Lithium Slurry	40 to 60% solids
Separator	Films	1 to 4 mils	Barrier	15 to 25% solids

