

Process development services

Experienced coating and drying

Dürr's process development services provide world-class laboratory benchtop tools and a complete roll-to-roll pilot coating line that can be rented. The line includes full coating and drying capabilities and features a controlled test environment for process development of short production trial runs for roll-to-roll processing applications, such as:

- Advanced battery materials
- Composites
- Solar films
- Membranes
- Flexible packaging
- Nonwovens
- Other materials

HIGHLIGHTS



[Benchtop drying lab](#)

[Analytical tools](#)

[Roll-to-roll coating and drying with flexible configurations](#)

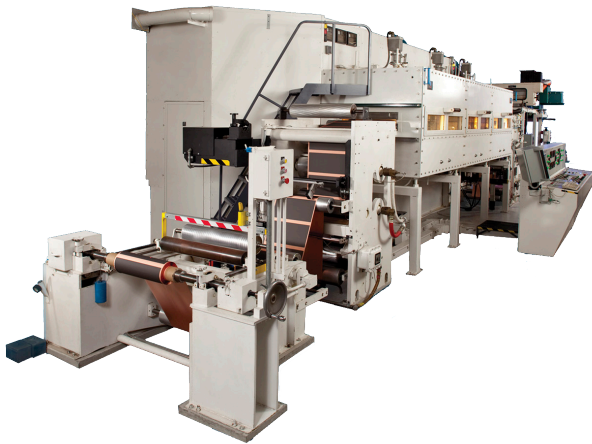
[Skilled process thinkers](#)

Process development services

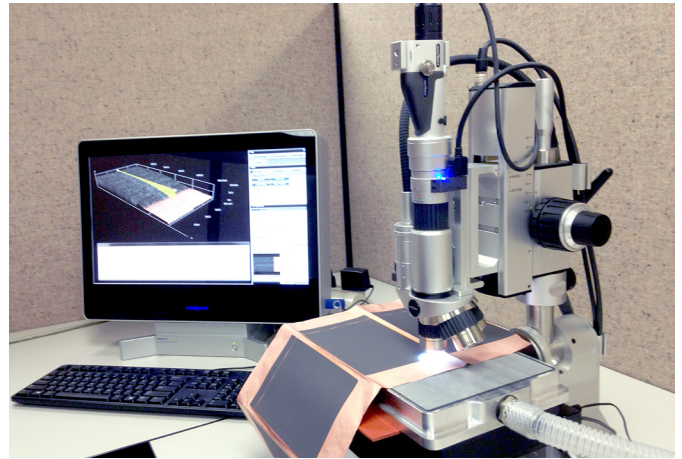
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TECHNICAL OVERVIEW

- Multiple coating methods are available, including slot-die with skip and stripe coating capabilities
- Three 1.5-meter (5 ft.) zones
- Web widths up to 600 mm (24 in.)
- Maximum substrate roll diameter:
 - 1200 mm (48 in.) unwind
 - 1000 mm (40 in.) rewind
 - 650 mm (27 in.) laminator
- Core size: 76 mm (3 in.) or 152 mm (6 inches) inside diameter (three 76-mm shafts and two 152-mm shafts)
- Rated mechanical speed up to 200 mpm (650 fpm)
- Tension range: 2.27 kg. (5 lb.) to 45.36 kg. (100 lb.)
- Laminator: both wet and dry ends
- Corona and plasma treaters
- High performance fluid delivery systems
- Ross dispersing mixer
- Thickness gauges
- MeSys ultrasonic coat-weight gauge
- TA instruments DHR 1 parallel plate rheometer



Pilot coating line



Benchtop drying lab

EXPERT STAFF

The Dürr Development Center is staffed with process engineers and technicians who can provide solutions for many drying and coating challenges. Their ability to assess and solve problems enables customers to test, develop and improve their products and processes. A wide range of coated products have been brought to market using these tools and services.



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