



Experts in the
development
and optimization
of coating and
drying systems.

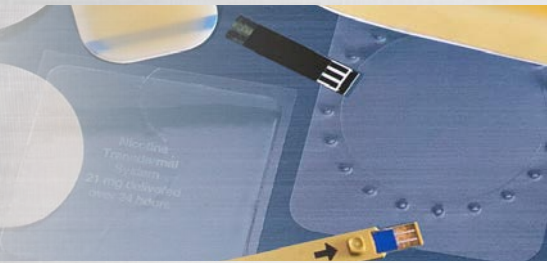


Coating and Drying Machines

Modular solutions for advanced coating applications

Modular Coating and Drying Systems

For 30 years, Frontier has been designing, building, and optimizing high quality coating lines and integrated coating systems. Our coating lines are in use around the world and serve a wide variety of industries. Each machine is designed and manufactured in the USA. Frontier is dedicated to providing precise, flexible and innovative manufacturing solutions worldwide.



Coating for the Manufacturing of:

- Batteries and Capacitors
- Fuel Cells
- Textile & Adhesive
- Paper, Film & Foil
- Microelectronics
- Medical Diagnostics
- Transdermals
- Oral Pharmaceuticals

Develop. Test. Build.

We are committed to helping you streamline the process to determine the right coating applications for your company and your product.

Equipment Solutions Include:

- Pilot/Lab Coaters
- Full scale production coating lines
- Coating modules for complete converting systems

Available Coating Technologies:

- Slot Die – Patch Coating, Pattern Coating and Panel Coating
- Gravure
- Direct/Offset Coating
- Mayer Rod
- Roll Coaters – Reverse/Direct
- Knife-over-roll
- Comma Coating
- Screen Printing
- Extrusion

Drying and Curing Methods:

- Floatation oven
- Solvent
- Impinged Air
- UV curing
- IR curing

Coating Technology Center

Increase your speed to market!

Frontier's world class Coating Technology Center gives you access to over 30 years of proven experience in the *development* and *optimization* of coating and drying applications. Our in-house coating center sets the industry standard for process optimization. Increase your speed to market with Frontier.

We Provide:

- Trials for Lab, Pilot and Production scale
- Process optimization for:
Efficiency, Output, Speed...
- Process solutions for aqueous and solvent-based formulations
- Real-time coating accuracy feedback
- Controlled laboratory environment
- In-house lab testing equipment
- Material development assistance
- Confidential consultation

Problem Solving for:

- Clean-Up Time Reduction
- Solution Rheology
- Yield Improvements
- Coating Weight Variables
- Short Runs
- Time Dependent Coatings
- Change-Over Time Reduction

Equipment Capabilities:

- Single, dual and triple layer coating
- Stripe and patch coating
- Coating thickness:
500 micron to < 1 micron
- Coating width:
up to 13.5 inches (343 mm)
- Multiple solution delivery techniques
- Heating, Cooling and mixing capabilities
- Lamination and winding capabilities
- Various curing and drying methods

Contact us today!



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World-wide service
and support.