

Laboratory Pilot Line



Dryer, Chill Rolls and Rewind Station



Coater and Dryer



Control Panel

MEGTEC Systems' Pilot Coater is available for developmental work to test and evaluate a wide variety of coating and drying processes on a broad range of coated web products. MEGTEC's Pilot Coater has been successfully used by the following industries: Converting, Paper, Coil Coating, Pharmaceutical, Photovoltaic, Batteries and Printing industries.

The bottom line is process knowledge

Laboratory Pilot Line

Coating Station

- Direct gravure
- 3 Roll offset gravure (vertical)
- Reverse gravure
- Meyer rod

Both gravure and impression rolls are independently driven and can be run at variable speeds in either direction. Either roll can be controlled by load cells to maintain a desired tension.

Any gravure method can run either with pan feed or a fountainless feed system.

Miscellaneous Coating Methods:

- Metering knife over roll
- Dip & Squeeze / saturation

Laminating:

- Capabilities of both wet and dry end laminating
- Dry end laminator rolls can be heated to 200°F
- Laminating nip: 26" face
- 80 Durometer shore "A" Neoprene cover
- Nip pressure to 250 PLI

Enercon Corona Treater:

- 7.5 Kw bare roll type
- Not rated for solvent coatings

Dryer System:

- (3) 5' zones
- 15' total effective drying length
- Independent velocity and temperature control for top and bottom nozzles
- 550°F maximum air temperature
- Interchangeable nozzles
- Full instrumentation

Substrate Ranges:

- Extensible films
- Thin papers
- Heavy papers
- Metal foils
- Metal coil

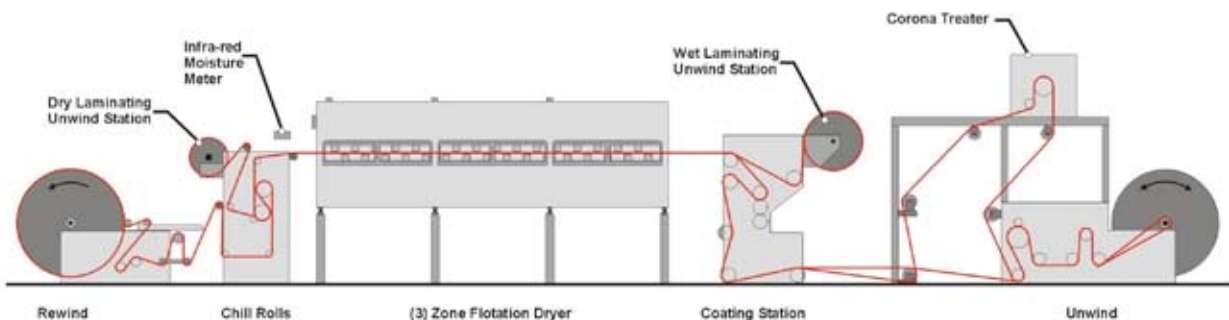
MEGTEC's Pilot Coating Line MEGTEC Systems R&D helps:

- Answer your own proprietary R&D questions
- Privately test coatings
- Develop patented laminates
- Solve problems for your customers using our facilities and technicians.

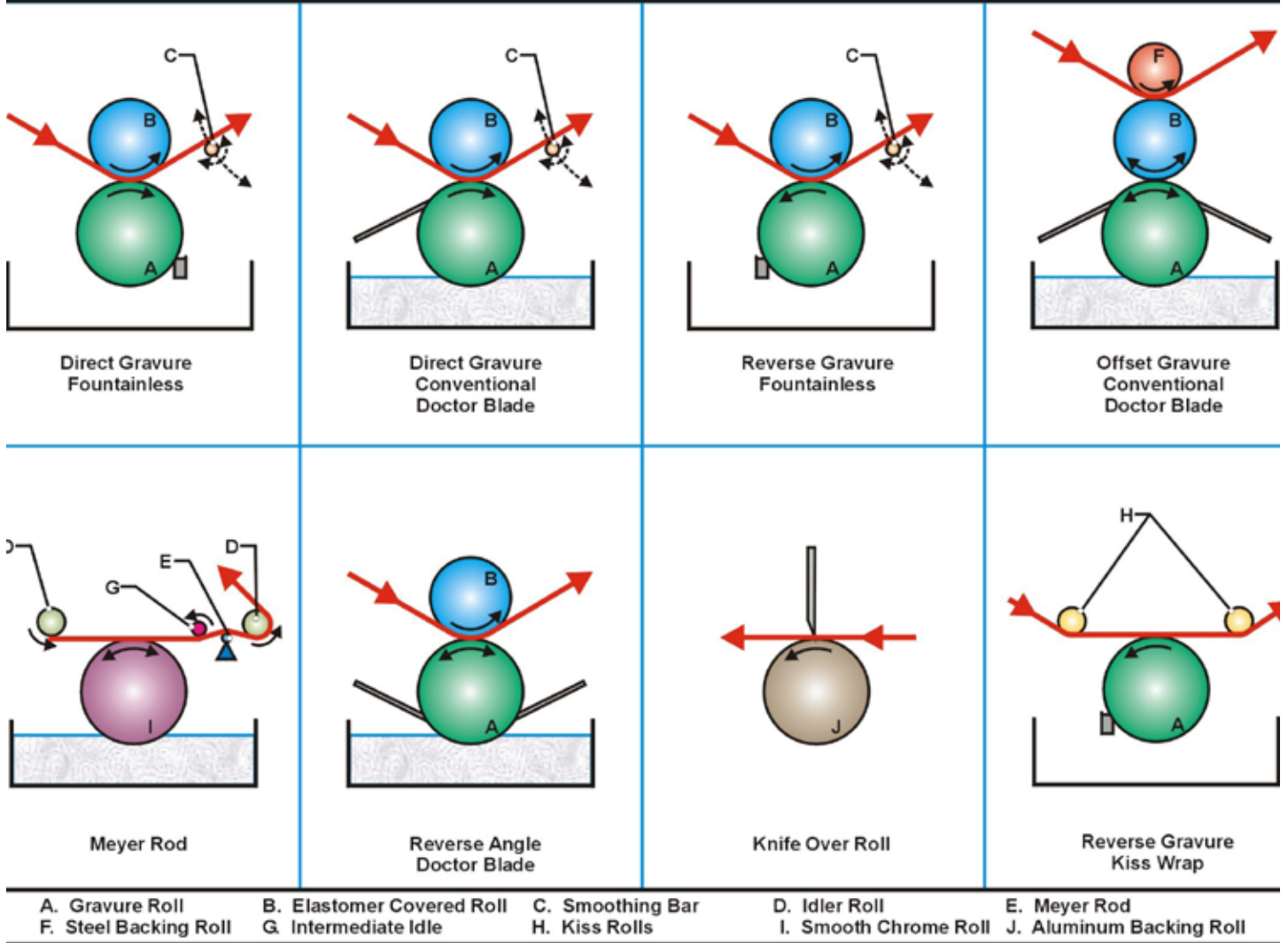
All work is performed under tight security, so confidentiality is not breached. You avoid overhead, capital equipment and startup costs while developing patented products wholly owned by you.

***These specifications are intended to define the operating capabilities of the laboratory pilot line.**

Dryer	15' long, 3 zone flotation
Maximum web width	24"
Maximum substrate roll diameter	48" unwind, 40" rewind, 27" laminator
Core size	3" or 6" ID (three 3" shafts and two 6" shafts)
Rated mechanical speed	1 fpm to 1000 fpm
Optional speed range	5 fpm to 2000 fpm (limited coating methods, requires setup time for gear changes)
Tension range	5 lb. total to 100 lb. total
Solvent Capabilities	Electrical equipment in the lab rated for Group D and limited Group C atmosphere. Solvents listed under Groups A or B of Table 500-3 of the National Electrical Code (1996) cannot be run. Group C solvents subject to review.



Coating Methods



MEGTEC optimizes the drying process with air bar options

Laboratory Pilot Line

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Six Sigma Quality

MEGTEC systems uses DFSS (Design For Six Sigma) methodology to ensure the quality of our equipment and services.

Products

Drying and web handling equipment

Flotation dryers
Roll support dryers
Thru-air dryers
Catenary dryers
Air turns

Services

Customer Care Goup

Customized customer care programs
24-Hour TeleCare center (800) 558-5535
Preventive maintenance services
Customized training programs

Your source for cost-saving expertise

VOC Emission Control Equipment

Recuperative catalytic oxidizers
Regenerative thermal oxidizers (RTOs)
Recuperative thermal oxidizers
Direct thermal and catalytic oxidizers

Energy Management
Engineering Studies
Dryer/Oxidizer Rebuild
Installation Services
Catalyst Sales & Testing
Pilot Coating Line
CFD/FEA Capabilities



365,000 square foot manufacturing facility in De Pere, Wisconsin