

FME Offers Complete New or Retrofit CGL Organic Coating (Post-Painting) Systems

Products Applied :

- Chrome Pre-treatment
- Zinc Phosphate
- Anti-Finger Print
- Resin Coat
- Prime Coat and Finish Coat

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- Vertical / Horizontal Roll Coaters
 - Convection or IR Ovens / Dryers
 - Chill Rolls
 - Support Structure
 - Turn Rolls and Steering
 - Solution Supply Systems
 - Electrics and Controls
 - Incineration
 - Air Cooling
 - Coater Rooms



Quality and Price Performance :

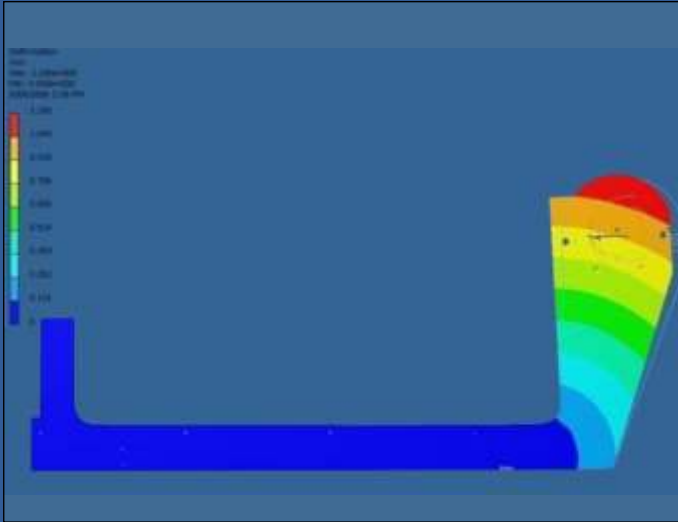
FME has been designing and building Paint, Chemical and Pre-treatment Coaters and Dryers for 14-years utilizing our own manufacturing and assembly shops in India and Taiwan where delivered quality matches the best world capability.

FME controls the cost, quality and delivery of our systems better than competitors that out-source work to different shops every time.

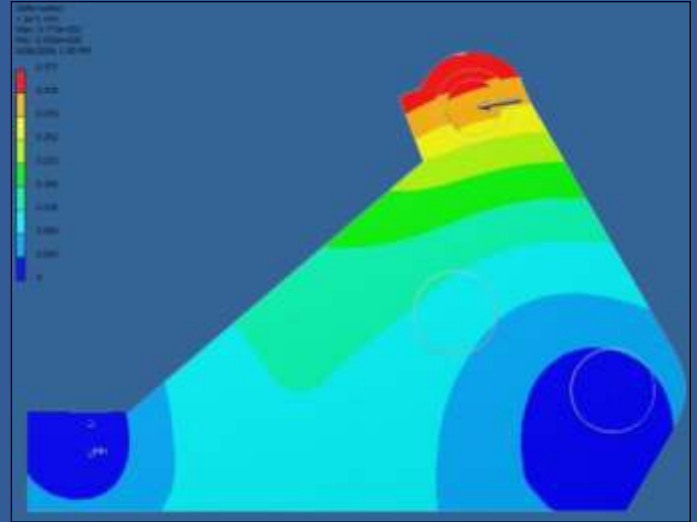
CGL IN-LINE COATING SECTIONS

FME Link Coater® Patented Rigidity

The Link Coat® triangular roll supports are over **20 times** more rigid than the stacked slide designs resulting in superior dry film thickness control when compared to all competitors.



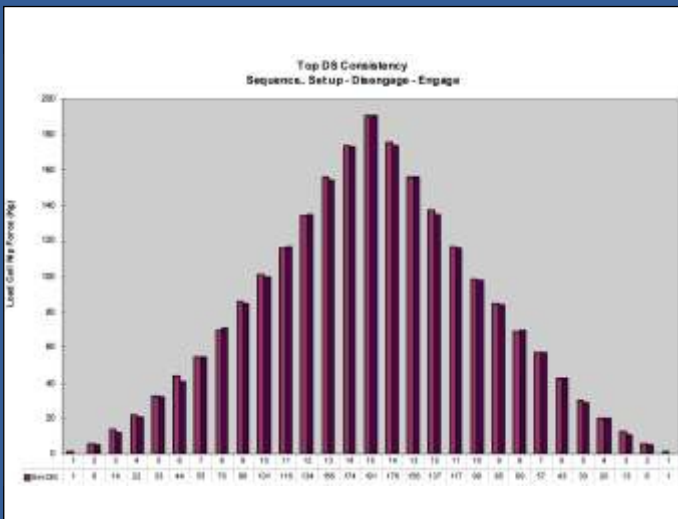
STACKED SLIDE



LINK COATER

FME Link Coater®

Hysteresis and Nip Load uniformity test for a Vertical CGL Acrylic hand-wheel controlled Link coater with FME Load Cell display that produces **2-micron** dry-film thickness coatings at 180-mpm on both sides of a galvanized strip.



CGL IN-LINE COATING SECTIONS

FME Post-Painting Ovens and Dryers

Convection Strip Dryers :

Convection Strip Dryers are fabricated in our modern factories.

Modular design plenums provide flexibility for line speed and shipping.

FME engineers and technicians provide support through startup / commissioning.



Infra-Red Ovens :



The electric IR Oven heats the surface water on the moving steel via high intensity infrared waves in the IR spectrum

Separately controllable heat output zones allowing reduction in energy consumption on narrow width product

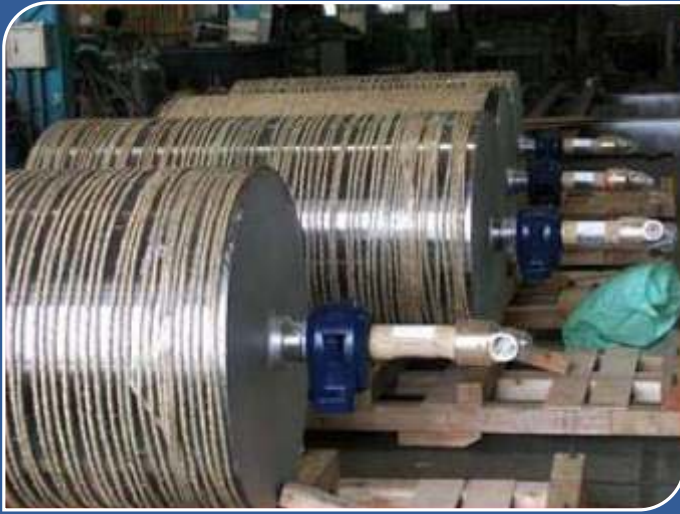
The heater banks are hinged to allow easy access for maintenance. And include a safety partition to allow safe lamp maintenance whilst strip is moving.

Protection bars are installed to protect heaters from damage caused by defective strip.

An air knife is included at the exit end of the vertical oven creating an air seal to prevent vapours and fumes escaping the exit strip opening.

0 - 100% range SCR power controllers for each zone.

FME Cooling Systems



- Space-efficient Vertical or Horizontal configurations.
- High heat transfer cross flow and counter flow Cooling roll designs.
- Specially developed high heat transfer air cooling systems.
- Quantity and sizing to cool the strip following an IR-oven to about 38-deg-C prior to painting.

- Water supply typically from the plant cooling water utility.
- Options for flow meters, temperature differential indication, Infra-red pyrometers.
- Option for driven rolls to match line speed changes.



Worldwide Locations

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