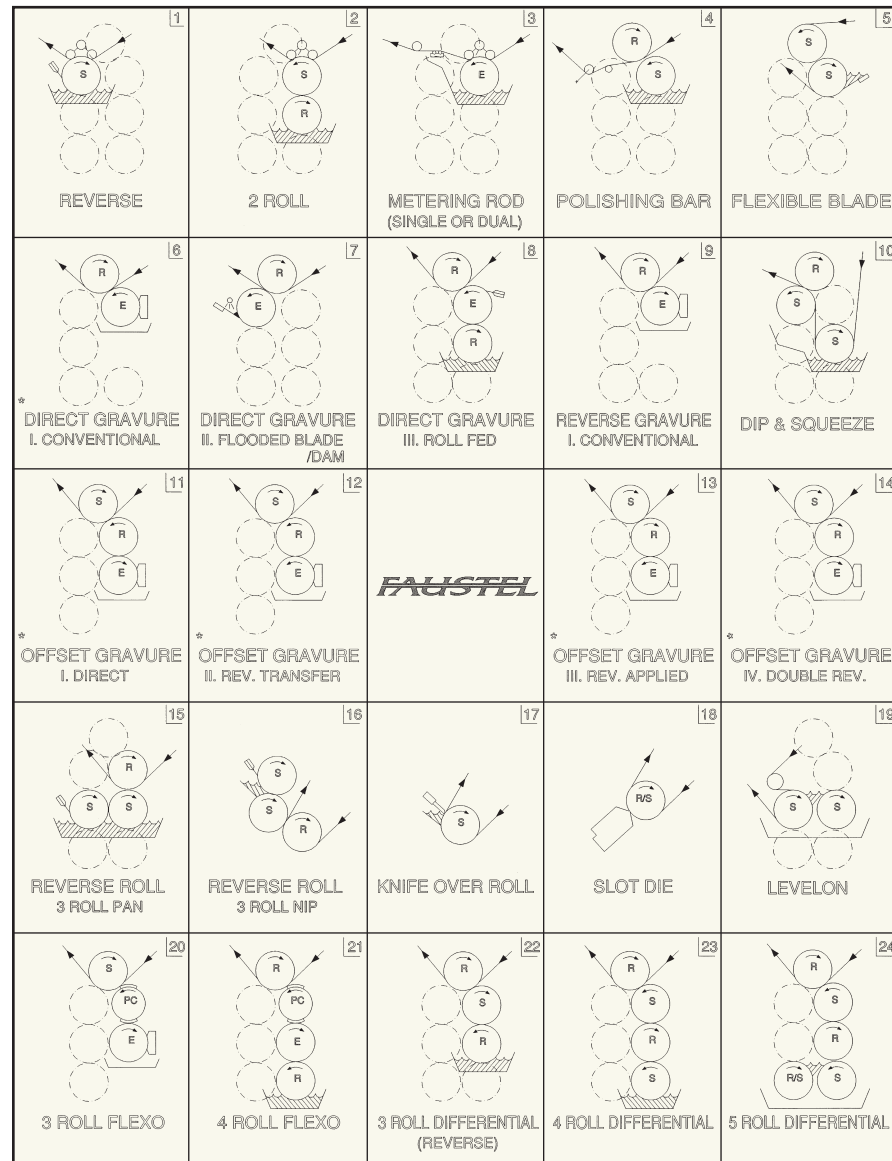


Available Coating Methods



COATING METHODS

SELECTION BASED ON TRIAL SPECIFICATIONS

* ALTERNATE PANFED APPLICATION

Technology Center Partners

AccuWeb
Dover Flexo Electronics
Enercon Industries
Energy Sciences Inc. (ESI)
Extrusion Dies Inc.
Fusion UV Systems
Glastonbury Engraving
Isoten
J.E. Doyle Company
Mount Hope
Schlumpf
Siemens
Stork Cellramic
Thermo Web Systems

FAUSTEL

Process Development & Technology Center



Your Proving Ground for Innovative Process Technology

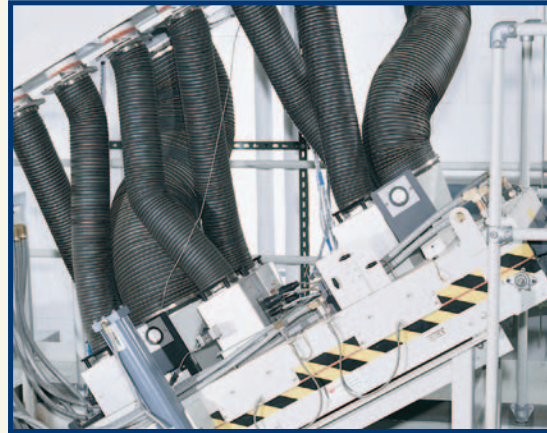
Technology Center Specifications

Geared Speed Range	10-2,000 fpm (3-600M/m)
Web Width Range	6" -24" (150 mm-600 mm)
Floatation/Idler Dryer	60' (18.3 m) with 6 zones; Velocity 1,000-10,000 fpm (305-3,050 M/m)
Convection Air Temperature	600°F (315°C) maximum
Material Rolls	40" diameter, 3" + 6" I.D. cores
Engraved Cylinders	Tri-helical and channeled (various)
Corona Treatment	30-46 dynes
Inerted UV Dryer	Nitrogen purged; 3 x 150-600 watts/ inch adjustment
Post Cure UV Dryer	3 x 150-600 watts/ inch adjustment
Electron Beam	80 kV to 150 kV, 3,940 Mrad ft/min (1,200 Mrad M/min) Cross-web uniformity ±7.5%; Down-web uniformity ±5%; Chilled web support drum

FAUSTEL

Faustel, Inc. • P.O. Box 1000 • Germantown, WI 53022 • (262) 253-3333 • fax: (262) 253-3334
email: sales@faustel.com • web site: www.faustel.com

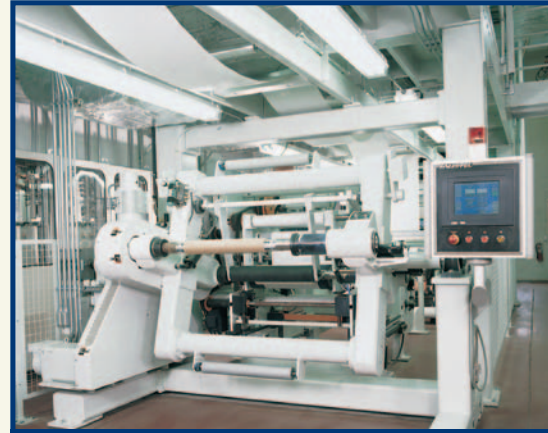
Leading the Way in Process & Converting System Development



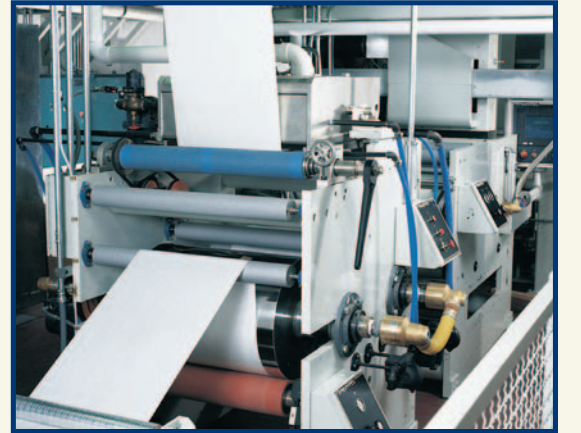
- UV curing using either atmospheric or nitrogen inerted conditions.
- UV housings are located before and after the convection dryer to allow for pre-heating the substrate or removing any coating diluent in the UV curable formulation.



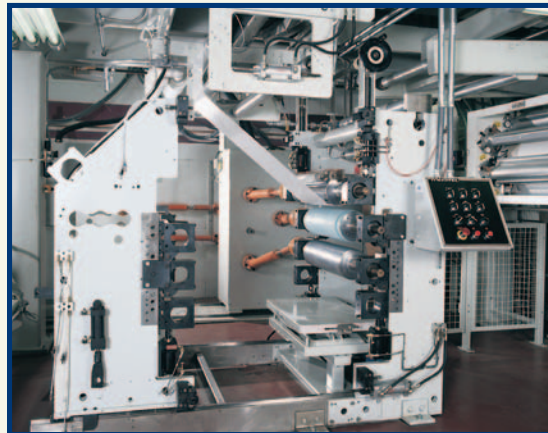
- The ESI Electrocare electron beam curing system offers the latest technology in electron beam curing as an alternative to conventional drying and curing techniques.
- The electron beam unit is located so that coatings and laminations may be cured. Coatings can be dried before curing if desired.



- The Phantom Axis turret winder features AC Vector drive technology for maximum performance over a wide range of tension and speed.
- Alternate winding methods and automatic core-transfer technology can also be demonstrated on the turret winder with patented Tab-Cut, "No-Fold," auto-transfer system.



- On-line steam remoisturization equipment permits moisture lost in the drying process to be replaced before winding.
- "Zone" remoisturization control allows "curl-control" for enhancing "lay-flat" properties in laminated materials.



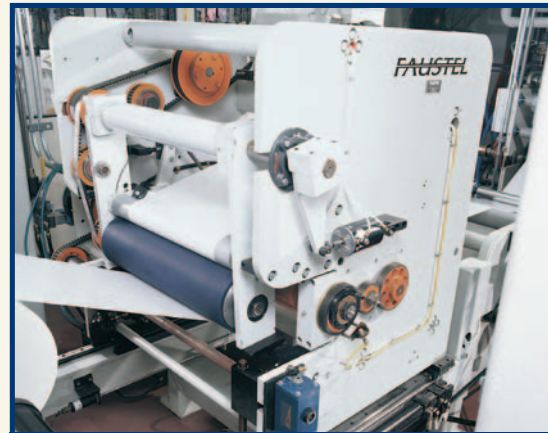
- Multi-purpose coater is easily configured for many application methods including those in the chart on the back cover.
- Coating rollers can be heated or cooled as required. Wet coatweights can be applied from 0.5 to 400 grams/sq. meter.



- Convection air dryer with six separate heating zones can be configured as either floatation type or many combinations of idler support/impingement drying.
- Zone air flows, temperatures and air bar nozzle arrangement are adjustable to match the widest range of products, coatings and line speeds.



- The Main Operator's Control Station (MOCS) contains the latest in computer-based control and process data acquisition.
- Data logging, on-line reports, and a snapshot of running conditions are available on demand.



- Winding methods available include Center, Center/Surface and Gap modes.
- "No-Fold" flying core starts and transfers on ultra-thin or thick, difficult-to-cut webs can be demonstrated.

