

# Ebeam Pilot Line

## Our Pilot Line Includes

- ◆ Adaptability to custom configurations
- ◆ Primary unwind stand
- ◆ Corona treatment
- ◆ Secondary unwind stand and nip for lamination
- ◆ Indirect gravure coater with variable gravure roll ratio and direction
- ◆ Chambered doctor blade system and fluid pump
- ◆ Optional chill roll
- ◆ Optional nitrogen inerting
- ◆ Rewind stand with edge guiding and optional oscillation
- ◆ Optional fiberglass web for carrying sheet samples



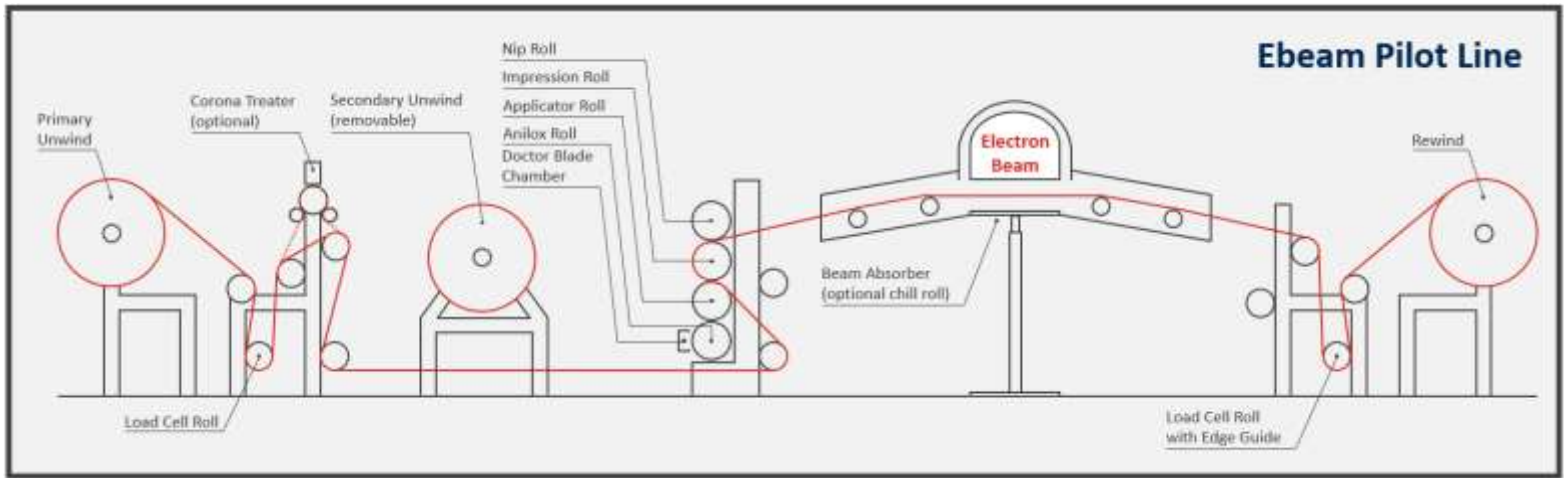
Our electron beam (ebeam) pilot line, located in Davenport, Iowa, allows customers to run proof-of-concept tests, product development trials, and limited production runs in order to ascertain how ebeam technology can improve a wide variety of key process performance parameters. From crosslinking plastic film and adhesives to curing overprint varnishes on printed material, our pilot line can be configured to accommodate a variety of applications.

New to ebeam? No problem. Our applications development specialist can assist with questions, trial parameters, and/or connecting customers with ebeam-curable OPV and laminating adhesive suppliers. Whether you are adapting a current application or inventing something completely new, we are here to help!

How can ebeam technology benefit your application?

Explore your application possibilities with our ebeam pilot line.

Book a trial now!  
Contact [sales@pctebi.com](mailto:sales@pctebi.com)



## Pilot Line Specifications

Accelerating Voltage	100 to 300 kV
Maximum Single-pass Beam Penetration	0.028 in
	700 $\mu\text{m}$
Maximum Web Width	26 in
	660 mm
Maximum Roll Diameter	36 in
	910 mm
Core Size	3 or 6 in
	76.2 or 152.4 mm
Maximum Roll Weight	1 ton
	0.9 metric tonnes
Web Tension	5 to 100 lbs
	22 to 440 N
Line Speed	10 to 500 ft/min
	3 to 180 m/min
Maximum Single-pass Dose (speed/voltage dependent)	30 Mrad
	300 kGy
Coat Weight	0.07 to 0.72 lb/ft <sup>2</sup>
	3 to 30 g/m <sup>2</sup>
Maximum Corona Treatment Power	3.2 kW



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