

Electron Beam Systems

Product Description

BroadBeam electron beam systems are designed for industrial applications. Each BroadBeam is configured to match the customer's needs for product width, dosage level, accelerating voltage and product handling. BroadBeams are self shielded. All of the shielding interlock devices and sensors required for safe operation are included with the machine.

The EP Series has been successfully addressing applications from 150 to 300 kV for nearly 30 years. The newly introduced LE Series leverages the proven BroadBeam design for applications requiring 70 to 150 kV. A patent-pending integrated chill roll design delivers optimal web handling without sacrificing easy access.

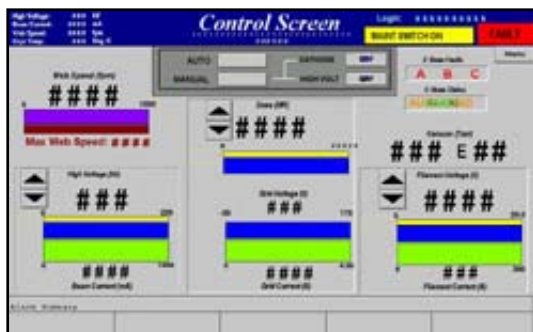


BroadBeam Delivers:

- **Dependable Operation** - less down time and more profit
- **Industry's Best Uniformity** - tighter process control
- **Engineering Strength** - designs to precisely meet your needs

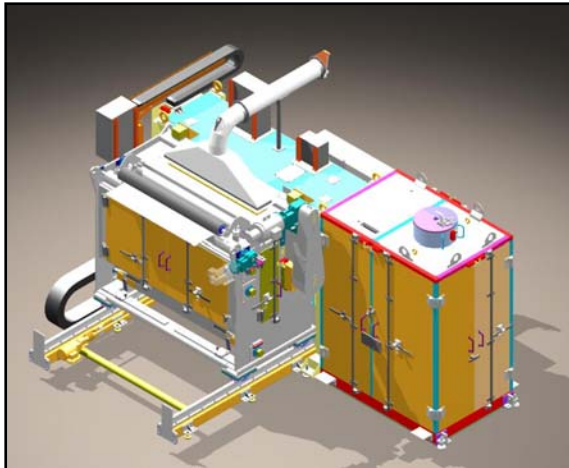
Specification Range

Web/Product Width	12 to 130 inches
Accelerating Voltage	70 kV to 300 kV
Throughput	Up to 50,000 kGy - FPM
Dose Uniformity	Better than +/- 8.0%
Line Speeds	Up to 2000 FPM (600 MPM)
Beam Orientation	Horizontal, Vertical, or Angled



Design Features

- High voltage power supply remotely located
- Easy access to utility connections
- PLC-based machine control
- Full featured operator display screens, including:
 - Main Machine Control
 - Auto Conditioning Operation
 - Vacuum System Status
 - Thermal Condition Monitoring
 - Trending of Voltage, Current, Vacuum, and Temperature



Applications:

BroadBeams have been successfully applied in many applications including:

- Curing / Drying Ink and Coatings on Paper, Paperboard, Film, and Metal
- Curing Silicone Release Coatings
- Curing Adhesives Used in Laminating Paper, Foil and Wood Products
- Crosslinking Plastic Film
- Surface Sterilization

Service and Support

All BroadBeam machines are backed by our knowledgeable and professional staff of service technicians. We also are the only source for BroadBeam spare parts that meet original factory specifications. In response to customer requests, we have developed upgrade kits that allow you to extend the life of your BroadBeam. We even offer complete rebuild services.

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