

Omnia Series Ebeam Systems

Technical Specifications

Accelerating Voltage	80 to 150 kV
Uniform Beam Width	36 to 108 in
	910 to 2,740 mm
Maximum Production Speed	1,300 ft/min
	400 m/min
Maximum Surface Dose Rate [Model and Voltage Dependent]	3 Mrad @ 1,300 ft/min
	30 kGy @ 400 m/min
Cross-web Uniformity	≤ ±8.0% variation
Nitrogen Inerting Level	≤ 200 ppm O ₂
Product Clearance	0.059 in
	1.5 mm
Web Support	Patented integrated shield roll
Dimensions (H x W x D) [36 in Beam Width]	53 x 105 x 83 in
	135 x 266 x 210 cm
Facility Requirements	Electricity, cooling water, and nitrogen
Noise Level	< 70.0 dB(A)



The Omnia series ebeam systems were designed to fit a wide range of curing, laminating, and crosslinking applications. Interested in the sustainability and flexibility of using ebeam-cured inks or coatings? What about in-line curing of a laminate? Coil coating? There is an Omnia system ready to work for you. And, no matter the job, our patented, integrated shield roll design allows you to enjoy all the benefits of a chill roll without sacrificing ease of use. Innovative design and reliable operation, Omnia delivers both.

Ebeam processes take place in an instant – that’s instant cure of inks, OPVs, and laminating adhesives and instant crosslinking of films and pressure-sensitive adhesives. Additionally, there’s no need for initiators or solvents. What more could you ask for? How about no problems curing highly pigmented inks or laminating opaque films using less energy than your typical UV set-up? Yeah, ebeam can do that, too.

Ebeam ultra-low migration inks & OPVs are indirect food contact safe

In an instant, crosslink your film and improve heat resistance and shrink

Wide or narrow, we’ve got an ebeam system for your application