

Core 100 Ebeam System

Technical Specifications

Accelerating Voltage	80 to 100 kV
Maximum Uniform Beam Width	30 in
	760 mm
Maximum Production Speed	600 ft/min
	183 m/min
Maximum Surface Dose Rate for 100 kV	3 Mrad @ 600 ft/min
	30 kGy @ 183 m/min
Cross-web Uniformity	≤ ±8.0% variation
Nitrogen Inerting Level	≤ 200 ppm O ₂
Product Clearance	0.050 in
	1.25 mm
Web Support	Patented integrated shield roll
Dimensions (H x W x D)	40 x 100 x 59 in
	100 x 255 x 149 cm
Facility Requirements	Electricity, cooling water, and nitrogen
Technical Support	Remote access, phone, and on-site



Protect your printed packaging and improve your company's sustainability practices with ebeam-cured overprint varnishes (OPVs). Ebeam OPVs provide an instant-curing, solvent-free alternative to lamination while maintaining excellent heat, scratch, and solvent resistance. Additionally, these ultra-low migration OPVs are free of initiators, making them the ideal solution for food packaging applications.

The Core 100 was designed to accommodate virtually any flexible packaging handled by the HP Indigo 20000 press, and, with a top speed of up to 600 fpm, it can keep up with multiple presses. With a variety of OPV finishes available, you can choose the best effect to make your packaging stand out on any shelf. Best of all, ebeam's instant-curing process means you can turn around orders in well... an instant!

Ebeam ultra-low migration OPVs are indirect food contact safe.

In an instant, improve heat, scratch, and solvent resistance.

Gloss, matte, and soft touch finishes available.