

## Technical data

Type	ebeam Unlimited	ebeam Core	ebeam Compact	Pilot Line
Nominal width	- 1,194mm - 1,580mm - 1,955mm - 2,320mm	- 910mm - 1,370mm - 1,820mm - 2,740mm	- Max. 270mm - Max. 340mm	150 mm-660 mm
Voltage range	80 kV-300 kV	80 kV-150 kV	80 kV	100 kV-300 kV
Throughput capacity	voltage dependent	up to 12,000 kGy mpm	up to 2,100 kGy mpm	voltage dependent
Dose uniformity	±8%	±8%	±10%	±10%
Line speeds [Meters per minute]	up to 300 mpm	up to 400 mpm	up to 150 mpm	up to 180 mpm
Beam orientation	sidefire standard, downfire available upon request	sidefire	downfire, sidefire	downfire

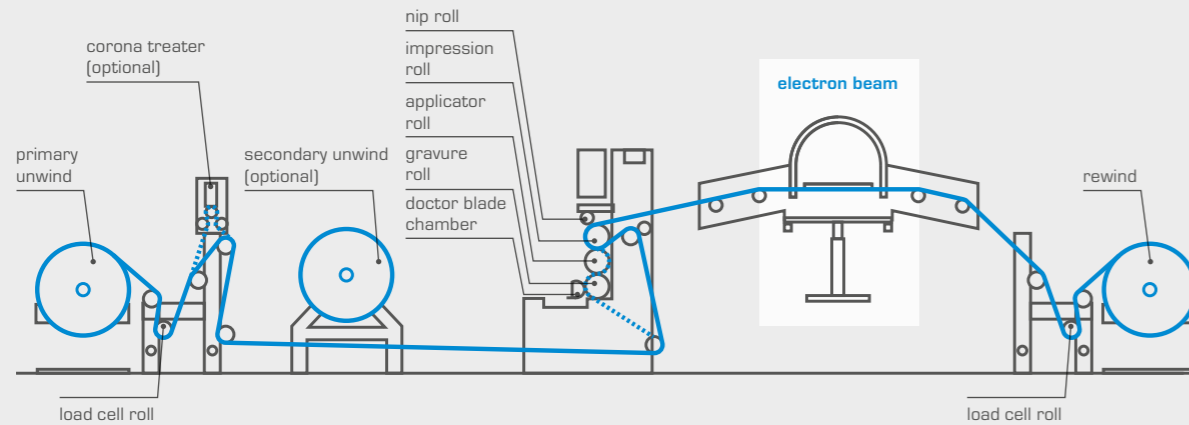


### Access ebeam

Test your products with our ebeam Pilot Line. For proof of concept tests, product development, or limited production runs, our Pilot Line is equipped with everything you need to reach success.

- Adaptable customized configuration
- Primary and secondary unwind
- Chambered doctor blade
- Corona treatment
- Offset gravure coater
- Optional chill roll
- Optional nitrogen inerting
- Rewind stand with edge guiding

### ebeam Pilot Line



### ebeam Technologies

**COMET AG**  
Herrngasse 10  
3175 Flamatt  
Switzerland  
T +41 31 744 98 10  
www.ebeamtechnologies.com

**COMET Technologies USA, Inc.**  
8700 Hillendale Rd  
Davenport, IA 52806  
USA  
T +1 563 285 7411

**COMET Mechanical Equipment (Shanghai) Co., Ltd.**  
1201 Guiqiao Road, Bldg. 10  
1<sup>st</sup>/FL, Pudong  
Shanghai 201206, China  
T +86 21 6879 9000

**YXLON International KK**  
a company of the COMET Group  
1-1-32 Shin-Urashima-cho  
Kanagawa-ku, Yokohama  
Kanagawa, Japan 221-0031  
T +81 90 8726 6021

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ebeam Systems  
Your needs,  
our solutions

ebeam

# ebeam Systems

## Your production line at ebeam speed

As an innovative manufacturer, you are constantly challenging yourself to find ways to improve your operations. Whether it is product appearance, faster speeds, less cost, higher quality, lower waste or to be more environment friendly, you must harness every possible advantage to remain an industry leader.

We have been solving ambitious engineering challenges since 1986. Scale up with higher speeds, efficiency, and throughput; scale down on space requirements and energy consumption, while simultaneously eliminating solvents, VOCs, and heat from your production.

With an energy range starting at 80 kV up to 300 kV, widths ranging from 150 mm to 2.74 m, and a beam power up to 600 kW, our ebeam Systems are ready to meet almost any business demand.

Meet the engineering team that gets to know you and your application needs. We design and upgrade systems for every level of customization. Our foundation is built upon engineering ingenuity, and we translate this to creative systems tailored to fit you or upgrades as you need them. The most experienced team of engineers by your side for designing ebeam systems end to end, automation and drive systems, and legacy upgrades. Find out how you can scale up on the things you want, and scale down on the things you don't.



### Where our partners have left a mark on industries

According to Roland Heeger, the Schattdecor Executive Board member responsible for technology, the ebeam technology for coating printed paper provided and continues to provide considerable added value: *"It enables us to approximate the look and feel of veneer without using chemicals. You can hardly tell the difference anymore between the printed and lacquered surfaces on a piece of furniture and real wood."*



### Addressing food safety with ebeam

*"Having the ability to incorporate food-safe ebeam curing into our press line allows us to enter a market we haven't been a player in before. Plus, the high-quality graphics that are achievable at low costs with ebeam-cured offset printing are very important to brand owners."*  
Lane Gravely, Director of Technical Business Development.  
Precision Press



### Applications and industries

- Curing inks and coatings on paper, film, paperboard and metal
- Curing adhesives used in laminating paper, foil and film
- Crosslinking plastic films
- Surface sterilization
- Enhancing pressure-sensitive adhesives
- Curing silicone release coatings



### Scale up

- Throughput
- Efficiency
- Quality
- Process possibilities

### Scale down

- Energy consumption
- Heat
- Environmental impact