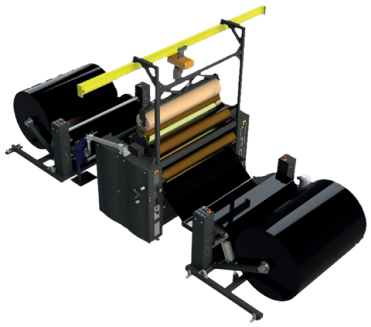
CREST
DUTCH MACHINERY



DRIVING SUPERIOR LAMINATION

EVO-1700 LAMINATOR - SLITTER



LAMINATE & SLIT IN ONE SINGLE PASS

The Crest Evo Laminator Slitter unwinds jumbo rolls of foam, laminates films and adhesives, hot or cold, slits the laminate to the desired width and rewinds it into perfect jumbo rolls. One compact roll-to-roll line, run by a single operator. The four-position film carousel with integrated lifting system makes product changeovers fast, safe and ergonomic.

SOME OPTIONAL FEATURES

- Slitting unit extendable up to 11 knives
- Pneumatic bottom knives with hardened, height-adjustable top shaft
- Separately switchable outer IR elements for 1000–1100 mm webs

TECHNICAL SPECIFICATIONS

• Max. web width	**1680 mm**
• Foam thickness	**0.5 – 120 mm**
• Max. lamination speed	**15 m/min**
• Max. jumbo roll	**ø1200 mm / 150 kg**
• IR heating power	**12 kW**
• Heated top roller	**up to 135 °C**
• Line weight	**± 3075 kg**

YOUR BENEFITS

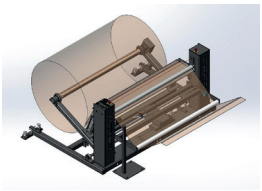
- Laminating, slitting and rewinding in one pass;
- 4-position film carousel for fast product changes;
- Heated roller & 12 kW IR heater for hotmelt applications;
- Integrated lift for safe jumbo roll handling;
- Dancer-controlled web tension from unwind to rewind;
- Smart PLC system & HMI touch screen;
- CE certified (2006/42/EC).

This machine can be customized

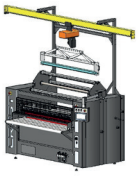
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Details are correct at time of publication. Crest Dutch Machinery B.V. reserves the right to alter the specifications at any time.

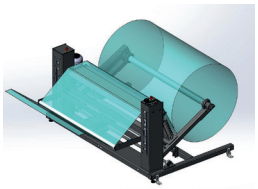
EVO-1700 E01 AA UK



UNWIND UNIT



LAMINATOR SLITTER



REWIND UNIT

The complete line: jumbo rolls of foam are unwound with dancer-controlled tension, laminated in two lamination stations, slit to width by pneumatic crush-cut knives and rewound into jumbo rolls, all in one continuous pass.

DIMENSIONS & WEIGHTS

Complete line footprint (l × w)	**6450 × 4050 mm**
Machine height (incl. lift)	**3200 mm**
Process height	**900 mm**
Weight unwind / slitter / rewind	**± 525 / 2100 / 450 kg**

INPUT MATERIALS

Foam on roll - max. width	**1680 mm**
Foam thickness	**0.5 – 120 mm**
Foam roll - max. ø / weight	**ø1200 mm / 150 kg**
Films & adhesives - max. width	**1680 mm**
Film thickness	**0.05 – 0.5 mm**
Film roll - max. ø / weight	**ø300 mm / 80 kg**
Core diameter (all rolls)	**ø76.2 mm (3")**

OUTPUT

Product	**Laminated foam, slit to width**
Rewound on core	**ø76.2 mm (3")**
Max. roll ø / weight	**ø1200 mm / 150 kg**
Max. lamination speed	**15 m/min ***

LAMINATION UNIT 1

Rollers	**ø150 mm, silicone rubber 60° Shore**
Drive	**Top & bottom roller separately driven**
Roller heating	**Top roller heated up to 135 °C**
Max. NIP opening / pressure	**120 mm / 5 N/mm**
NIP adjustment (both units)	**Electric, height & pressure read-out**

LAMINATION UNIT 2

Rollers	**ø150 mm, silicone rubber 60° Shore**
Drive	**Friction-coupled, ~105% of unit 1**
Max. NIP opening / pressure	**120 mm / 5 N/mm**

CONTROL

Operation	**HMI touch screen on swivel arm**
Control system	**Smart PLC with recipe programs**

IR HEATING UNIT

Type	**Shortwave infrared**
Total power	**12 kW**
Control	**Dimmer 0–100% via HMI**
Position	**At first top roller, adjustable**

SLITTING UNIT

Cutting method	**Pneumatic crush-cut knives**
Number of knives	**5 (extendable up to 11)**
Max. slitting thickness	**20 mm**
Lateral fine adjustment	**± 50 mm by handwheel**
Max. pass opening	**120 mm**

FILM CAROUSEL & LIFT

Carousel	**4 positions, 3 extra shafts incl.**
Rotation	**Manual, by side handle**
Lift system	**Chain hoist on rail**
Max. load (incl. hoist)	**250 kg**
Lifting height / speeds	**3 m, 8 / 2 m/min**

UNWIND & REWIND UNITS

Shafts	**Crest Autogrip ø76.2 mm (3")**
Roll lift	**Pneumatic**
Web tension	**Dancer-controlled, 10 – 200 N**
Brake (unwind)	**Electrically operated friction brake**
Sideshift (unwind)	**± 100 mm + web alignment pin**

UTILITIES

Compressed air	**Min. 6 bar, advised 8 bar**
Air supply	**ø8 mm, oil- & water-free, 1 m³/h**
Electrical connection	**400 VAC, 50–60 Hz, 3P/N + PE**
Max. current	**29.4 A**
Network	**CAT5 TCP/IP**

(*) Maximum mechanical speed of the machine. The actual maximum process speed depends on the materials used.

EVO-1700 E01 AA UK

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