

The ES 1600 Mounter, Laminator and Encapsulator is a multi-functional machine for high-quality laminations, panel mounting of images and encapsulation of plots.

The ES is a bi-directional laminator with 4 full-fledged laminating rollers. It is suitable

for pressure- or heat-sensitive lamination and encapsulation processes.

Generally they can use all types of lamination and encapsulation supplies available on the market.

The machine is developed and produced in our own factory in the Netherlands.



## Highlights

Process results can be controlled by:

- Temperature setting of the heated rollers
- Speed setting of the rollers
- Unwind tension
- Wrinkle control
- The nip pressure of the rollers

## Configurations

The ES laminator is available in 2 basic Configurations:

- 2 roller machine cold or heatable
- 4 roller machine with 2 heatable, 2 cold rollers and slitting system
- The ES laminator is also available in a 1400 working width (technical specifications on request)

## Technical Specifications

### ES 1600 – 4 rollers

#### Weight

Packed for transport	: 910 kg
Unpacked	: 810 kg

#### Dimensions

##### Packed

Depth	: 1200 mm (47.2")
Width	: 2450 mm (96.5")
Height	: 2000 mm (78,7")

##### Unpacked

Depth (excl. tables)	: 810 mm (31.9")
Depth (incl. front+rear table)	: 1260 mm (49.7")
Width	: 2020 mm (79.5")
Height	: 1450 mm (57.1")
Table height (*)	: 920 mm (36.3")

(\*) adjustable by the four height-adjustable machine supports

#### Voltage

230/400V, 50/60 Hz, 16A  
127/220V, 50/60 Hz, 29A

#### Maximum Speed

5.5 m/min (17.6 ft/min)

#### Material limits for plots/panels

##### Lamination

Maximum width	: 1600 mm (63")
Maximum thickness	: 50 mm (1.97")

##### Encapsulation

Maximum width	: 1600 mm (63")
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##### Shaft capacities

Core	: Ø76,2 mm (3")
Max. unwind diameter	: 200 mm (7.87")

##### Noise level

less than 70 dB (A)

##### Max. roller temperature

135 °C

##### Temperature reading

digital

##### Pressure rollers

4 (two front rollers Heatable)

##### Winding positions

3 + 3

Two middle positions, top and bottom, with wrinkle control

##### Autogripshafts 3 Inch

5

##### Available options:

- wrinkling control for other winding positions
- Ionisation bar complete
- Additional heating element for extra heated roller rear
- Other options on request

Details are correct at the time of publication.

Crest Dutch Machinery B.V. reserves the right to alter specifications at any time.

### ES 1600 – 2 rollers

#### Weight

Packed for transport	: 630 kg
Unpacked	: 530 kg

#### Dimensions

##### Packed

Depth	: 1200 mm (47.2")
Width	: 2450 mm (96.5")
Height	: 2000 mm (78,7")

##### Unpacked

Depth (excl. tables)	: 810 mm (31.9")
Depth (incl. front+rear table)	: 1260 mm (49.7")
Width	: 2020 mm (79.5")
Height	: 1450 mm (57.1")
Table height (*)	: 920 mm (36.3")

(\*) adjustable by the four height-adjustable machine supports

#### Voltage

230V, 50/60 Hz, 16A  
127/220V, 50/60 Hz, 29A

#### Maximum Speed

5.5 m/min (17.6 ft/min)

#### Material limits for plots/panels

##### Lamination

Maximum width	: 1600 mm (63")
Maximum thickness	: 50 mm (1.97")

##### Shaft capacities

Core	: Ø76,2 mm (3")
Max. unwind diameter	: 200 mm (7.87")

##### Noise level

less than 70 dB (A)

##### Max. roller temperature

135 °C

##### Temperature reading

digital

##### Pressure rollers

2 (top roller Heatable)

##### Winding positions

2 + 2

Two unwind positions,  
1x top and 1x bottom,  
with wrinkle control

##### Autogripshafts 3 Inch

4

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