CREST
DUTCH MACHINERY



DRIVING SUPERIOR LAMINATION

TS-1600/2100
HIGH PRESSURE LAMINATOR



HEAVY DUTY LAMINATOR

The Crest TS-1600 and TS-2100 are heavy duty laminators for applying protective overlaminate with heat and high pressure. They are built for digitally printed traffic signs on reflective sheeting, UV-printed graphics and decorative panels, and work with any UV-curable inkjet printer. Up to 8 N/mm of nip pressure and a specially selected rubber compound prevent silvering on rough surfaces and UV prints. The machine runs without compressed air and accepts board, sheet and roll material.

FEATURES

- Speed setting of the rollers
- Heat assist top roller
- Heavy duty unwind brake for web tension with combined wrinkle control
- Heavy duty windup friction-clutch for proper roll windup
- Adjustable nip pressure
- Pressure readout by means of a LED bar
- Rotatable control panel
- Foot pedal for Start/Stop
- Chrome plated Idle roll top and bottom
- Ionization bar to eliminate static charge

YOUR BENEFITS

- High laminating pressure;
- High output speed;
- Maximum roll diameters up to 360mm (14”);
- Robust heavy duty industrial design;
- Extra strong unwind brakes and windup clutches.

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.

TECHNICAL SPECIFICATIONS

TS	1600	2100
Unpacked weight	775 kg	1350kg

DIMENSIONS

Depth	815mm	890mm
Width	2175mm	2710mm
Height	1530mm	1670mm
Table height (optional)	900mm	970mm

VOLTAGE

230 ac, 50/60Hz, 16A

MAXIMUM SPEED

15 m/min. (49.2ft/min.)*

ROLLER PRESSURE

Roller pressure up to 8 N/mm

MATERIAL LIMITS

Maximum width	1650mm (65") 2150mm(85")
Maximum thickness	50mm (2")

SHAFT CAPACITIES

Core	Ø 76.2mm (3")
Maximum unwind diameter	Ø 360mm (13.8")
Maximum roll weight	80kg

NOISE LEVEL

Less than 70 dB(A)

ROLLER TEMPERATURE

Standard Roller temperature 60°C

(Temp. sensor by contactless infrared sensor)

PRESSURE ROLLERS

2, adjustable by handwheel (top roller heatable)

WINDING POSITIONS

Top & Bottom:
1x unwind with adjustable friction brake and wrinkle control
1x windup with adjustable friction clutch

AUTOGRIP SHAFTS 3"

4, with integrated measuring ruler (zero=0) at the middle of the shaft

WARRANTY

- 5-year warranty**

* *The speed can be increased, but this may require necessary safety measures and therefore additional costs.*

** *Provided there is a signed service agreement (for more information contact Crest)*

AVAILABLE OPTIONS

- Roller temperature optional up to 150°C, digital temperature read-out;
- Additional heating unit for bottom roller;
- Additional roller pressure adjustment, including pressure read-out by LED bar for operating at rear of machine;
- Digital NIP-opening read-out;
- Output table;
- Slitting system;
- Length counter with digital read-out;
- End-of-roll detection with automatic stop;
- 3" to 6" core adapters;
- electrical roller height adjustment with digital pre-settings on height or pressure;
- Other options on request.

BENEFITS COMPARED TO A STANDARD LAMINATOR

- Laminator has been especially developed to apply a protective laminate on top of UV printed substrates;
- The significant higher laminating pressure and special selected rubber compound for UV printed substrates avoid silvering (microscopic air enclosure) and result into a perfect laminating quality;
- Pressure readout by LED bar at front and rear of the machine, (rear optional);
- Rotatable operating panel to control the machine from the front and rear side;
- Extra strong and freely adjustable unwind brake and windup friction clutch;
- Roll unwind-, and windup diameter 360 mm (max. 100 meter);
- Ionization-bar at windup position to eliminate static charge;
- Very robust industrial frame, finished with a high quality powder coating.

SAFETY

- Optical photocells at roller-nip for finger protection;
- Mechanical finger protection rear-side;
- Emergency stop button on all corners;
- Jog-mode with limited fixed speed to overrule photocells for set-up material.

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