



## DRIVING SUPERIOR LAMINATION

### HEAVY DUTY LAMINATOR

The Crest TS laminator is a heavy duty laminator for high quality lamination using heat and high pressure. The laminator can be partnered with any UV-curable inkjet printer. The machine has been especially developed to apply a protective laminate on top of UV printed substrates. It's special characteristics avoid silvering effects when applying pressure sensitive overlaminates on rough surfaces and UV printed material. The machine operates 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

## TS-1600/2100 HIGH PRESSURE LAMINATOR



## 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

## TECHNICAL SPECIFICATIONS

### TS

Unpacked weight

**1600 2100**

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(83")

Maximum thickness

130mm (5.2")

### 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

Roller temperature up to 150°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 that biannual maintenance is performed by Crest.

## AVAILABLE OPTIONS

- Roller temperature up to 135°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.

**CREST**  
DUTCH MACHINERY

info@crest.nl | www.crest.nl | +31 (0)552 3445 050