

TS 1600 / 2100

The Crest TS laminator is an heavy duty laminator machine for high quality lamination using heat and high pressure. The laminator can be partnered with any UV-curable inkjet printer. The machine is especially developed to apply a protective laminate on top of UV printed substrates. The TS's special characteristics avoid silvering effects when applying pressure sensitive overlaminates on rough surfaces and UV printed material. The Crest TS operates without compressed air and accepts board-, sheet- and roll material. The machine is developed and produced in Crest's factory in the Netherlands.



✓ FEATURES

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

★ BENEFITS

- High output speed
- Maximum roll diameters up to 360mm (14")
- High laminating pressure
- Robust heavy duty industrial design
- Extra strong unwind-brakes and wind-up clutches
- On request: Electrical roller height adjustment with digital pre-settings on height or pressure

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TECHNICAL SPECIFICATIONS

TS 1600 / 2100

Weight Unpacked 775 / 1350 kg

Dimensions

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

Voltage

230V, 50/60 Hz, 16A

Maximum Speed

5.5 m/min (17.6 ft/min)

Material limits for prints/panels

Lamination

Maximum width (TS 1600) 1600 mm (63")
Maximum width (TS 2100) 2100 mm (83")
Maximum thickness 50 mm (2")

Shaft capacities

Core 76,2 mm (3")
Max. roll weight 80 Kg (180 lb)
Max. unwind diameter 360 mm (13.8")

Noise level

less than 70 dB (A)

Roller temperature

Adjustable heat-assist
 30° to 60° C (up to 135° C optional)

Pressure rollers

2, adjustable by hand-wheel
 (top roller heatable)

Winding positions

Top

1x unwind with adjustable friction-brake and wrinkle control,
 1x wind up with adjustable friction-clutch

Bottom

1x unwind with adjustable friction-brake and wrinkle control,
 1x wind up with adjustable friction-clutch

Autogripshafts 3 Inch

4pc with integrated measuring ruler (zero (0) at middle of shaft)

AVAILABLE OPTIONS

- Roller temperature up to 135 ° C, digital temperature readout.
- Additional heating unit for bottom roller
- Additional roller pressure adjustment, including pressure readout by led-bar, on rear side (front standard)
- 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
- Other options on request

BENEFITS TS LAMINATOR COMPARED TO A STANDARD LAMINATOR

- Laminator especially developed to apply a protective laminate on top of the 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 by wind-up 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
- 4x emergency-stop, 2x front and 2x rear for instant Stop rotating parts
- Jog-mode with limited fixed speed to overrule photocells for set-up material

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