CREST
DUTCH MACHINERY



TS-1600 PRO-S
LAMINATING & SLITTING

HEAVY DUTY LAMINATOR AND SLITTING MACHINE

The Crest TS-1600 PRO-S is a heavy-duty laminator and slitting machine in one, for print service providers, sign makers and tape converters. Heat and up to 8 N/mm nip pressure deliver top-quality lamination, while the integrated crush-cut slitting system turns large rolls into ready-to-use smaller rolls. Built for small batch tape converting with frequent changeovers, it handles even the most challenging materials. Silvering is prevented when applying pressure-sensitive overlaminates to rough or UV-printed surfaces. Suitable for board, sheet and roll materials.

FEATURES

- Differential shafts;
- Touch screen display (customizable);
  - Digital pressure readout on touch screen
  - Digital speed setting of the rollers
- Heated top roller
  - External surface temperature measurement
  - Crest heating element for equal heat distribution
- Heavy duty unwind brake for web tension with manual side-shift function to prevent wrinkles
- Heavy duty windup friction-clutch for proper roll windup
- Adjustable nip pressure
- Foot pedal for Start/Stop
- Chrome plated Idle roll top and bottom
- Ionization bar to eliminate static charge



YOUR BENEFITS

- Slitting knives easily adjustable to various working widths;
- Number of slitting knives adjustable;
- Cutting pressure accurately adjustable to process different materials;
- Touchscreen display for easy operation;
- 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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DUTCH MACHINERY
info@crest.nl | www.crest.nl | +31 (0)572 345 050

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
Weight	850 kg	1460 kg

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

Roller temperature up to 150°C

WINDING POSITIONS

Top & Bottom:
1x unwind with adjustable friction brake and manual side-shift
1x windup with adjustable friction clutch

AUTOGRIP SHAFTS 3"

4x, with integrated measuring ruler 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 with Crest.*

AVAILABLE OPTIONS

- Adjustable slitting knives
- Higher roller temperature on request;
- Additional heating unit for bottom roller;
- Additional roller pressure adjustment, including pressure read-out, for operating at rear side of machine;
- Digital NIP-opening read-out;
- Output table;
- Cross cutting system;
- Length counter with digital read-out;
- End-of-roll detection with automatic stop;
- 3" to 6" core adapters;
- Roller height / pressure pre-setting function

Other options on request.

TS-1600 PRO-S VS CONVENTIONAL LAMINATOR

- Laminator has been especially developed to apply even the most challenging materials such as protective laminates 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;
- Rotatable operating panel to control the machine from the front and rear side;
- Extra strong and freely adjustable unwind brake and windup friction clutch;
- Ionization-bar at windup position to eliminate static charge;
- Very robust industrial frame, finished with a high quality powder coating.

SAFETY

- Photocells at roller-nip for finger protection;
- Mechanical finger protection at rear-side;
- Emergency stop button on all corners;
- Jog-mode: machine works on a safe process speed to set up materials.

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