TRESU

Coater designed for short-run print jobs

TRESU iCoat II

Next generation coating technology

Digital & modular-for short-run print jobs

TRESU iCoat II is designed for fast job changes and lean sheetfed digital printing. Responding to customer demands, we now present a stand-alone coater, that also matches digital printing requirements for fast job changes and the ability to turn on a dime, when switching to a new task.

On top of this, the TRESU iCoat II coater is designed on a modular platform, on which you can combine a range of different modules to configure the machine exactly to your needs.

Buy what you need - no more, no less.

Efficient design features for short-run digital print jobs

- 30-second job change with fast sleeve change technology - no tools required
- HMI with recipe storage for frequent and complex job settings (PLC)
- Proof tray with on-the-run proofing
- Proven TRESU chamber doctor blade system and varnish supply
- Automatic cleaning at the push of a button

Media thickness:
150-600mic/6-24pt.

Max speed:
6,000 sheets/hour

Sheet size:
Max: 750 x 530 mm/29.92"x 20.87"
Min: 510 x 330 mm/20.08"x 12.99"

Varnish Type:
UV and/or WB

Coating method:
Full surface and selective coating
High accuracy registration: ±200μ

Versatile combi coater for general folding carton

To produce GFC often requires many different types of coating and the solutions is a combi-configuration with separate circuits for fast response to changes between WB and UV coating jobs.

- Dual varnish system with separate WB and UV circuits
  ensures secure fast changes between UV and WB jobs
- Flood and spot coating
- WB/UV anilox and plate sleeves included
- Efficient hot air dryer
- PLC for data management

Single WB varnish coater for pharma applications

Traceability, inspection and individual marking of each individual unit are key design parameters in pharmaceutical packaging.

- Inspection conveyor module
- Single WB varnish configuration
- Coating knockouts (for bar codes, ID and QR codes) as well as glue flaps
- Ejection tray for rejected sheets
- Efficient hot air dryer
- PLC for data management

Modular platform tuned to your needs

Choose the features you need now…

… add optional modules of your choice when needed

Feeder module
For stand-alone operations

Varnish system
WB, UV or dual system in separate circuits. WB or UV modules can be added later to an existing configuration

Corona module
Improving surface adhesion

Synthetic package
Synthetic (plastic/polymer), metallized, laminated board

Flexo coating system
Full surface or spot coating (WB and/or UV) with automatic cleaning

Extra pump capacity
For special, demanding applications/viscosities, - WB and/or UV

Dryer module
WB: Efficient hot air drying system
UV curing:
High-performance UV lamp.
Single: UV or WB
Combi: UV or WB

Wide range of aniloxes
Protection coating
Matte coating
High-gloss coating
Ultra-high gloss coating
Special-effect coatings

HMI
Fast and easy access to the touch-screen user interface (PLC for data management)

Buffering stacker
Buffer for continuous coating — even when switching pallet

Proof tray
On the run proofing for visual inspection and test samples
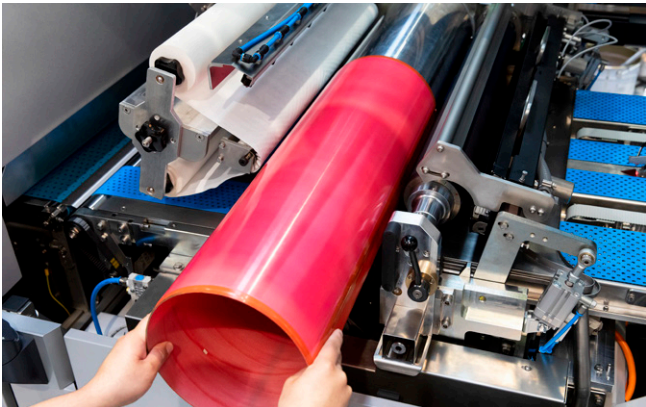
Inspection conveyor module
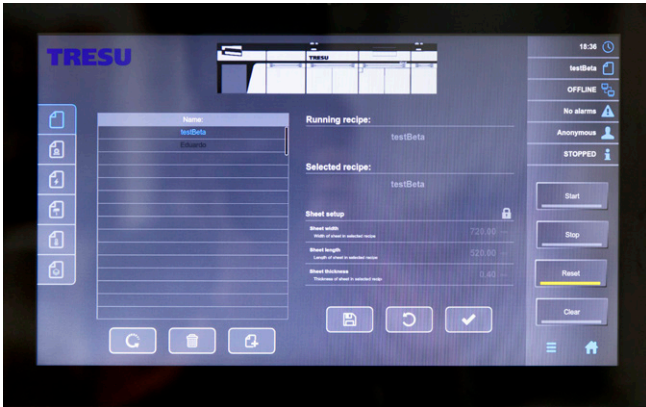100% inspection — for pharmaceutical or counterfeiting demands

TRESU iCoat II highlights

Efficient design for short-run print jobs with fast job changes

Fastest job change in the industry: 30 second sleeve change with no tools required.
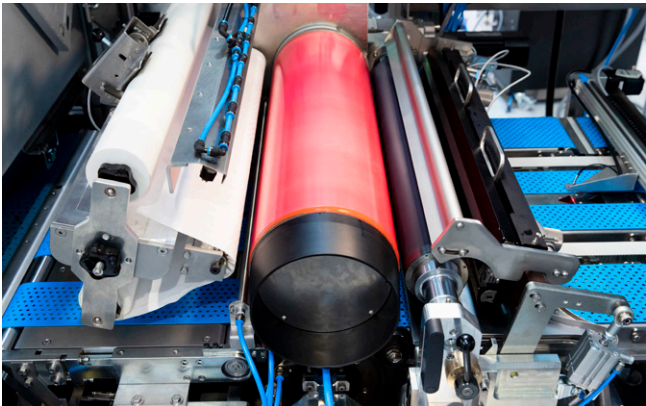

Fast set-up and easy job changes with HMI recipe storage: Complex job details recalled at the push of one button (PLC included).

Proofing on the run – means full test control, visual inspection and samples with no downtime.

Automatic cleaning at the push of a button: Separate WB and UV systems means faster cleaning, less down-time and less handling.

Proven TRESU flexo technology delivers printing efficiency designed to last.

Genuine TRESU chamber doctor blade system designed for fast handling and great performance.

Technical specifications

Sheet size	Max. B2 Min. 510 x 330 mm | 20.08" x 12.99" Max. 750 x 530 mm | 29.92" x 20.87"
Image size	Max. 746 x 515 | 29.37"x 20.28"
Substrate range	Thickness: 150 - 600 µm | 6 pt - 24pt
Substrate type	Paper, carton, metalized and laminated
General coating requirements Flexo coating unit	Full surface and selective coating (flood and spot)
Varnish type	UV, WB and special varnish
Speed	Up to 6,000 sheets/hour
Tolerances	+/- 0.4 mm | 16 thousands in both directions
Cleaning	Automatic plate/blanket cleaning (WB) and pump, anilox and chamber system cleaning
Proof tray	Integrated proof/sample tray
Stacker	Automatic pallet change

TRESU anilox roller specifications

Coating demand	Protection coating	Standard coating	High-gloss coating	Ultra-high gloss coating	Special effects coating
WB Roller name:	WB protection 10 cm^3/m^2 6.5 BCM/in^2	WB matte coating 14 cm^3/m^2 9 BCM/in^2	WB high-gloss (60*) 16 cm^3/m^2 10.3 BCM/in^2		Special anilox
UV Roller name:	UV protection 11 cm^3/m^2 7.1 BCM/in^2	UV coating 15 cm^3/m^2 9.7 BCM/in^2	UV high-gloss (85*) 18 cm^3/m^2 11.6 BCM/in^2	UV Ultra-high gloss (90*) 21 cm^3/m^2 13.5 BCM/in^2	Special anilox
Applications	Rub resistance Print production Handling	Pharma Matte gloss	Packaging Decoration Seal coating Blister coating	Cosmetics Advertising Spot gloss Gift boxes	Examples: Scented coatings, metal pigments, glitter coatings, iriodin

*Gloss level depending on board and lacquer type

Pls. go to www.tresu.com/webshop for information on genuine wear and tear parts, kits and consumables

TRESU is a highly specialized company offering flexoprinting machines and ancillary products and concepts for flexo, digital and offset printing as well as customer service and technical support.

TRESU has more than 35 years of experience and expertise in the development, production and maintenance of engineered solutions and supplies directly to end-customers, OEMs and partners worldwide.

TRESU has production facilities in Denmark and sales companies in USA, Germany, Italy, Japan and China as well as an international agency network providing local support and know-how.

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