

Flexo Innovator Series



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Lean manufacturing in high-end package converting

The Flexo Innovator Series is a web-fed flexo printing and multi-process finishing concept for folding carton, metallic substrates, paper, laminate and film products.

The Flexo Innovator is the first product of TRESU Concept, a new division of the company that provides bespoke single-pass printing and processing lines for special packaging products. TRESU Concept offers a leaner, faster manufacturing alternative for numerous paper and board printing applications that traditionally have been produced by other processes.

The Flexo Innovator Series has a modular design for maximum flexibility in configuration. It includes any number of flexo units, and specially configured hot-air drying or curing units for virtually all ink types, custom-engineered and assembled at the TRESU factory.

There are three width options within the Flexo Innovator Series to suit a range of different applications. These include the FI 900, accommodating widths up to 900mm, the FI 1100, widths up to 1100mm, and the FI 1300, widths up to 1300 mm.

Flexo Innovator's technology also assures precise registration throughout the press run, high-end regulating web tension control technology, rigid design for minimising vibrations, resulting in very high stability throughout the printing process.

A wealth of options

The open platform of the Flexo Innovator Series offers a world of opportunities. The press can be built to include custom-designed cold foil, die-cutting, laminating, embossing, rotary screen and rotogravure technology from leading partners, and cutting options, such as rotary sheeting and stacking, that combine economy and performance benefits.

The first Flexo Innovator, the FI 1100, has been installed at the TRESU Technology Center in Denmark, and is used for sample production, demonstrations and testing for the development of new applications.

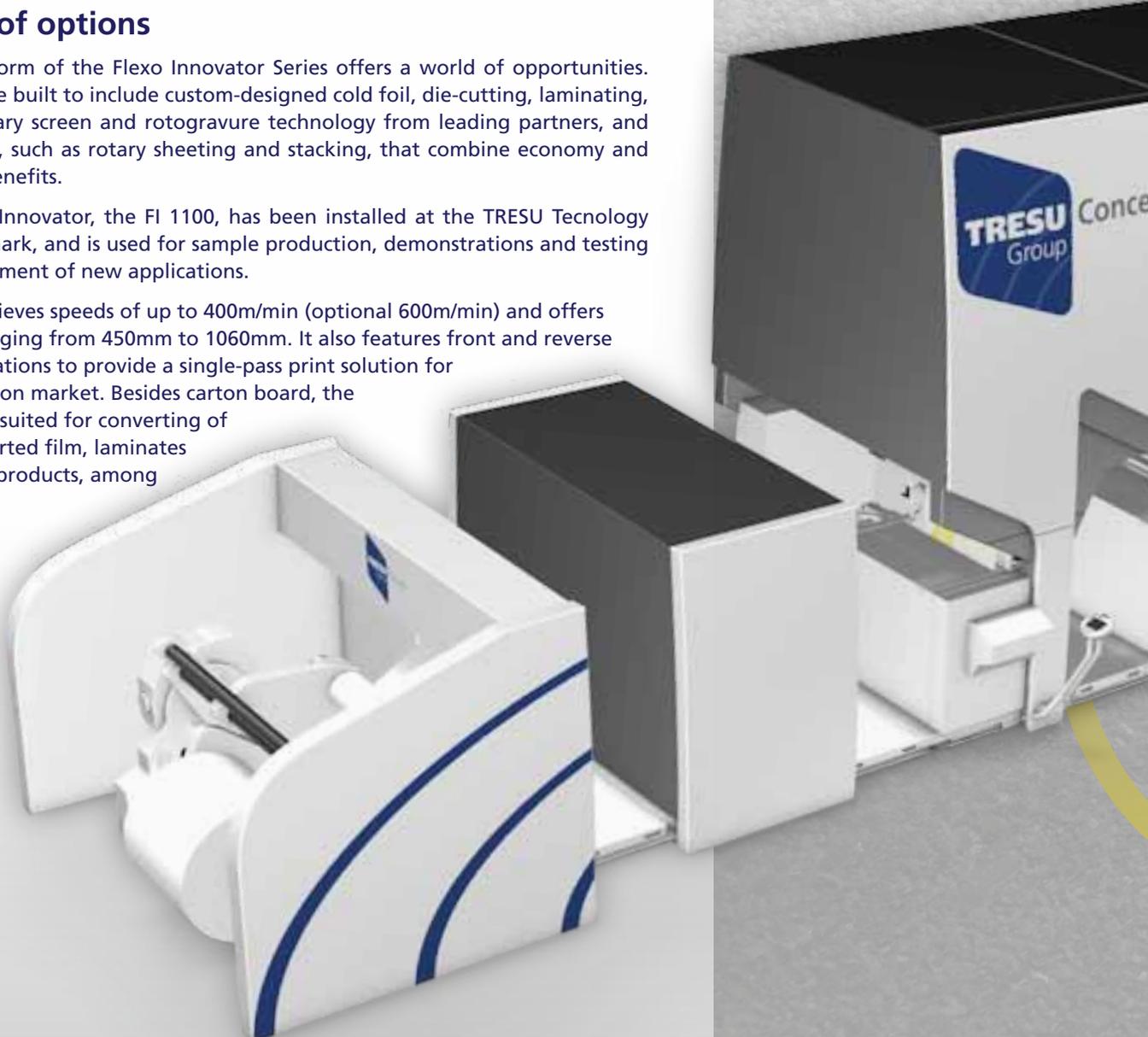
The FI 1100 achieves speeds of up to 400m/min (optional 600m/min) and offers repeat sizes ranging from 450mm to 1060mm. It also features front and reverse side printing stations to provide a single-pass print solution for the folding carton market. Besides carton board, the machine is also suited for converting of paper, unsupported film, laminates and aluminum products, among others.



High quality chamber doctor blade system for perfect printing



Optimized operation by high end HMI system (Human Machine Interface)





Durable engineered quick-change system



Print- and anilox sleeves

FOLDING CARTON BOARD

LAMINATES

METALLIC SUBSTRATES

**TRESU
INNOVATOR**

PAPER

FILM



This FI 1100 configuration includes an in-line roll-to-sheet cutting system, combining low cost of ownership with high productivity.

TRESU Flexo Innovator Series

Technical Data

Web/print width	900 mm	1100 mm	1300 mm
Min Web width	450 mm	550 mm	650 mm
Print speed/optional	400 m/min / 600 m/min	400 m/min / 600 m/min	400 m/min / 600 m/min
Mechanical speed	500 m/min	500 m/min	500 m/min
Web tension	330-1800 N	400-2200 N	40-1000 N
Repeat length	450-1060 mm	450-1060 mm	450-1060 mm (330-1300 mm optional)
Substrate	Paper, paperboard 60-600 gsm	Paper, paperboard 60-600 gsm	Folio 30-100 micron Paper 40-200 gsm
Ink	Water based, UV. Solvent optional	Water based, UV. Solvent optional	Water based, UV. Solvent optional
Unwind	Single or non stop dual. Lap splice or but splice	Single or non stop dual. Lap splice or but splice	Single or non stop dual. Lap splice or but splice
Infeed	Dancer, pull & brake, edge guide. Web cleaner, pre-heating and web- treating optional	Dancer, pull & brake, edge guide. Web cleaner, pre-heating and web- treating optional	Dancer, pull & brake, edge guide. Web cleaner, pre-heating and web- treating optional
Print units	Chamber doctor blade system, sleeve change on anilox and plate, full servo on rollers, ink deck positioning system.	Chamber doctor blade system, sleeve change on anilox and plate, full servo on rollers, ink deck positioning system	Chamber doctor blade system, sleeve change on anilox and plate, full servo on rollers, ink deck positioning system.
Back side print	Optional	Optional	Optional
Drying	Hot air and/or UV	Hot air and/or UV	Hot air and/or UV
Cooling	Chill rollers after hot air drying and/or chill roller combination with UV lamps	Chill rollers after hot air drying and/or chill roller combination with UV lamps	Chill rollers after hot air drying and/or chill roller combination with UV lamps
Outfeed	Pull & brake, edge guide, dancer. Print inspection optional	Pull & brake, edge guide, dancer. Print inspection optional	Pull & brake, edge guide, dancer. Print inspection optional
Rewind	Single or non stop dual	Single or non stop dual	Single or non stop dual
Sheeter	Optional	Optional	Optional
Die cutter	Optional	Optional	Optional

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The Best Part of Innovation