



It's about reliability, quality and performance

At first glance some instant lottery cards may not resemble anything near high technology, but taking a closer look you realize that multiple layers of ink, foils, security features, coatings and much more make the modern lottery card a complex thing to manufacture at high speed and in high volumes.

Producing thousands of lottery tickets per minute, it is a complex task to ensure that the tickets are authentic and securely produced and handled in a line of 20 printing units, where each station adds a new feature – a different color, security measure or scratch-off components. In fact, some say it's harder than printing money and this is why major manufacturers of lottery cards today choose TRESU Flexo Innovator as their choice of proven technology.

TRESU Flexo Innovator for printing lottery tickets

TRESU customers look for speed, volume, repeatable quality and fast turnarounds – with low and transparent operational costs during the entire lifecycle of the press.

Our technology is complex, but at TRESU, we make it easy for our customers. Automating the transfer of ink onto paper may seem simple, but printing at high speeds, things quickly get complex.

So, our job is to increase speed while addressing and stabilizing all the parameters, that can impact the print. The final print needs to be uniform and perfect – each time.

Automation and new ways of printing lottery tickets will become critical successfactors going forward – at TRESU we are ready to face these challenges.

ONE PASS INLINE TURNKEY SOLUTION WITH UP TO 22 SPECIALIZED FLEXO UNITS

For scratch off lottery and security printing, the TRESU Flexo Innovator is the industry standard, printing more than 70% of all the lottery cards world-wide.

Typical configurations for this segment has 16-22 flexo printing and coating units and multiple digital printing heads, which prints at 400-600 m/min (1,300 – 2,000 ft/min) in widths between 350 (13.8”) and 1.100mm (44”).

Add to this a modular service concept targeting any part of OEE that customers wish to work with, and you have the picture of the #1 printing press in lottery and security printing.



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 40 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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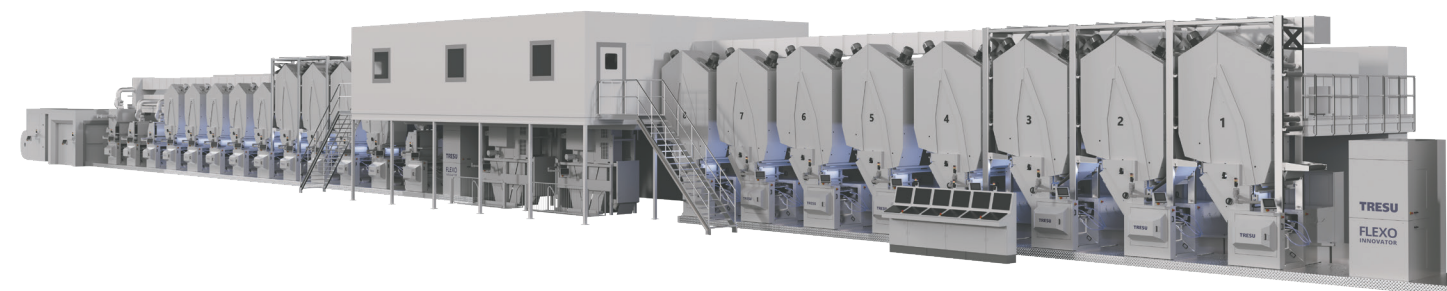
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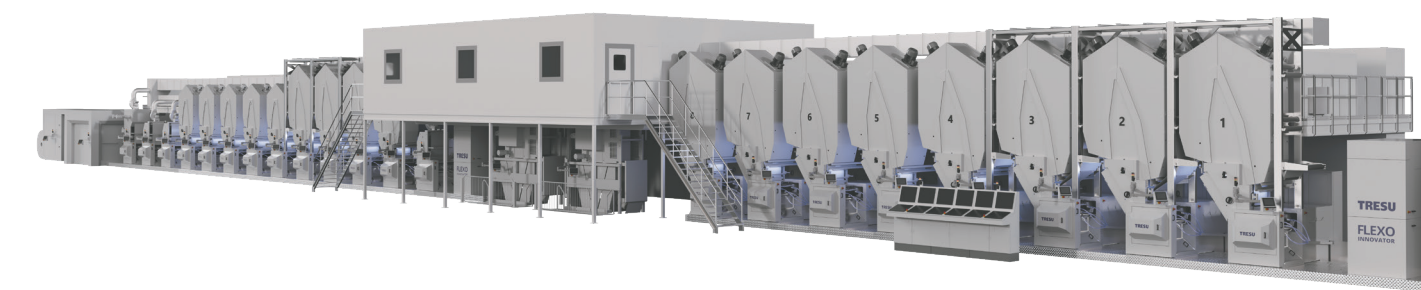
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TRESU

TRESU Flexo Innovator

Unbeaten performance for single pass lottery tickets



Unbeaten Press Performance

With a modular design, the inline multi-station TRESU Flexo Innovator offers unique opportunities for single pass HD printing of instant lottery tickets – at the lowest cost to print and with the largest installed base of experience and know-how in the entire industry.

Lottery and security printing: Reliability, quality and performance

The Flexo Innovator is the industry standard, printing more than 70% of all the instant lottery tickets world-wide according to our customers. Typically, the configuration for this segment has somewhere between 16-22 flexo printing and coating units and multiple digital printing heads, which prints at 400-600 m/min (1,300 – 2,000 ft/min) in widths between 350 (13.8”) and 1.100mm (44”).

TRESU Flexo Innovator – still unbeaten:

- + Highest flexo printing speed
- + All key parts engineered by TRESU
- + TRESU Pressure Control Technology
- + TRESU VelociDryer – best drying
- + Modular service for best OEE
- + Largest installed base

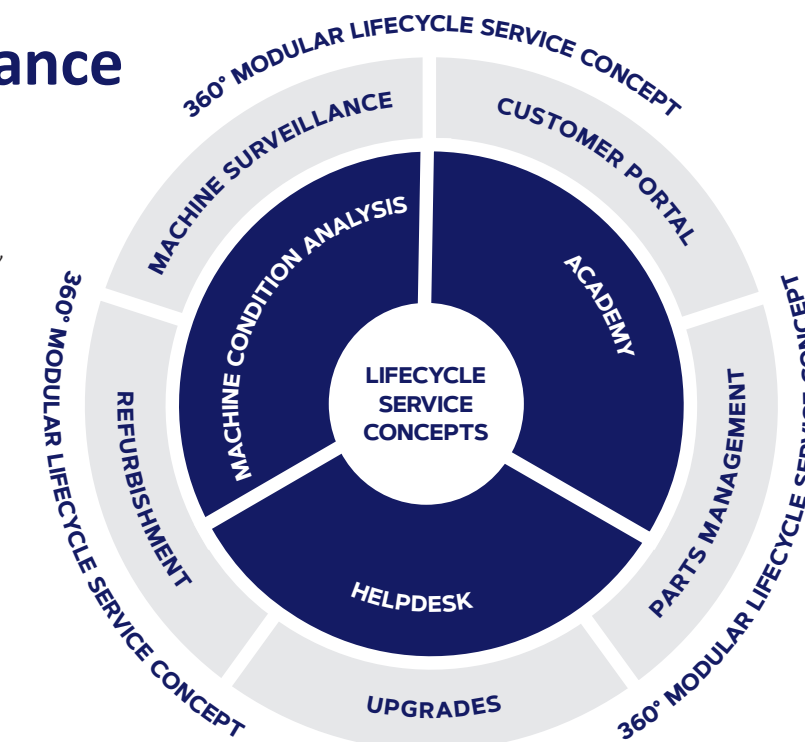
= TRESU Flexo Innovator – still #1

Extending Performance

In collaboration we identify, allocate, and properly manage risks, and ensure peak performance from your equipment.

Extending lifetime performance of your equipment, we offer solutions for every step of the journey and respond quickly to any issue.

Based on your requirements we put together a unique service agreement optimizing Overall Equipment Effectiveness – OEE – throughout the entire product lifecycle of your press.



TRESU - Partnership Performance

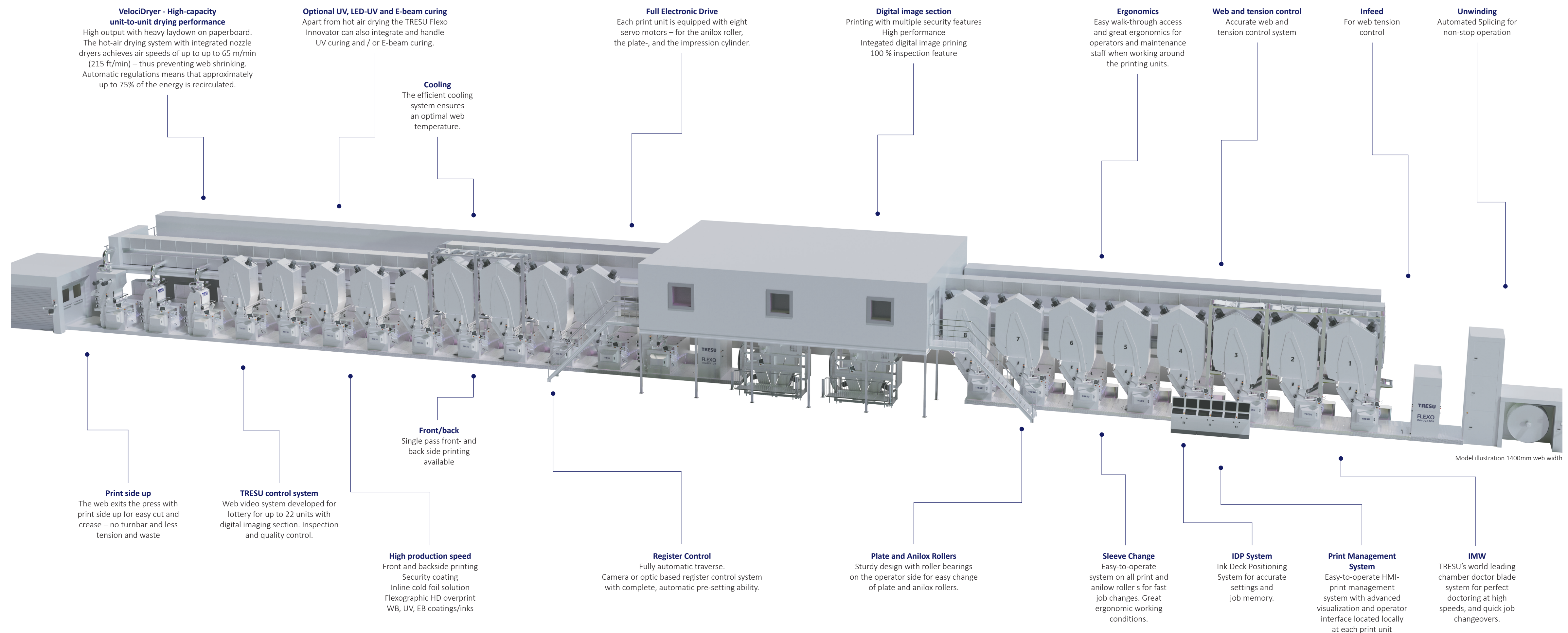
Invest your trust in proven concepts and enter a performance partnership extending the lifetime of your press.

We have supplied proven flexo technology to industry leading brand owners, converters and OEM manufacturers all over the world for more than 40 years. Benefit from the know-how of the industry's largest installed base of flexo

printing units. We continuously strive to upgrade them and extend their performance.

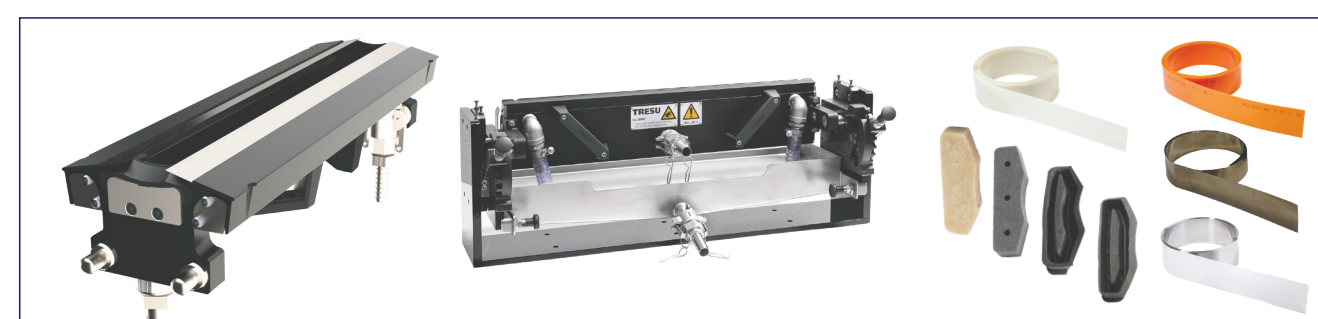
TRESU offers proven solutions for every step of the journey. For sure, this does not come in a box.

We call it Partnership Performance.



TECHNICAL SPECIFICATIONS

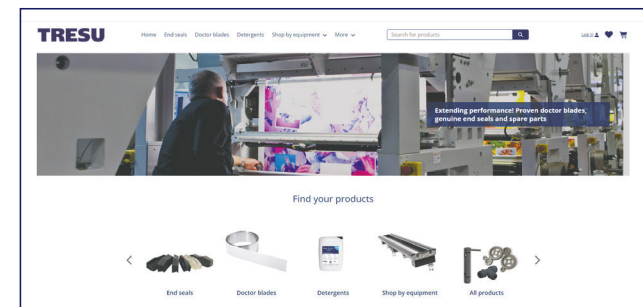
Web width, max.	460mm (18")	670mm (26")	670mm (26")	1100mm (43")
Repeat length, max	712mm (28")	712mm (28")	1.066mm (42")	1.066mm (42")
Repeat length, min.	305mm (12")	305mm (12")	482mm (19")	482mm (19")
Production speed, max.	200m/min (656ft/min)	200m/min (656ft/min)	400m/min (1,312ft/min)	400m/min (1,312ft/min)
Register print	Front: +/- 0,08mm (3 thousands) Front/back: +/- 0,25mm (10 thousands) (Sigma 1)			
Substrates	Uncoated/coated/metallized paper board 4-30pt (60-600gsm)			
Unwinder/Rewinder	Flying splice with options			
Backside printing	Optional			
Inline die-cutting	Optional: Platen or Rotary cut, perforation and crease			
Inks & Coatings	Water, solvent and UV			
Drying & curing	Hot-air, UV, LED-UV and E-Beam			
Ink and coating circulation	Genuine TRESU circulators			
Chamber doctor blade system	Genuine TRESU chamber doctor blade systems			



TRESU chamber doctor blade systems and proven doctor blades



TRESU ink and coating supply systems



TRESU WEBSHOP
Genuine parts at your fingertips:
We ship 24/7