

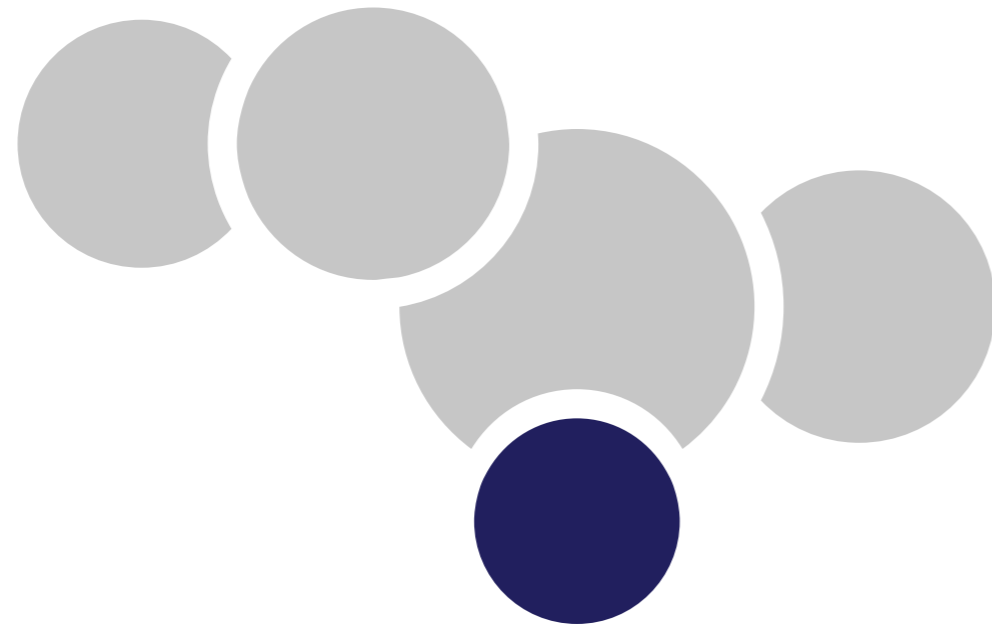
THE LOTTERY SOLUTION

TRESU Inline Printing Solution for Lottery Tickets



The Best Part of Innovation





TRESU Solutions

TRESU Solutions offers complete state-of-the-art inline flexo printing machines as well as unique units for very precise flexo and gravure printing specifications.

The scope of our projects is wide in terms of size and end-use application ranging from integrating printing or coating units on to existing machines, in order to add specialist features inline, to building complete multi-station printing and converting lines.

Our proof

Over the years, TRESU Solutions has supplied a wide variety of products to large clients and Original Equipment Manufacturers. Our solutions include integrated printing and coating units, units to apply colour, varnish, single or multiple narrow-web printing units for non-woven, tissue or film - specifically for the Hygiene industry – or complete multi-station printing and converting lines for various purposes, i.e. print on lottery tickets, folding carton, wall paper, release liner.

Every step of the way

Our team of engineers has helped scores of customers to find competitive edge with precision and bespoke printing solutions for many applications. In the search for the perfect solution, TRESU Solutions knows that the best part of innovation comes through working with the customer every step of the way.

The majority of Tetra Pak's package printing is produced on state-of-the-art presses built and manufactured by TRESU Group.

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Unique
drying

One Pass Solution

High
production
speeds

Instant lottery tickets

Flexographic
HD
overprint

UV/EB
Coating/
Inks

Front and
backside
printing



Integrated
digital
image
printing



Quick
Job
Change-
Over

Water/solvent
based inks

High
performance

100%
inspection
feature

Security
coating

Inline cold
foil solution

Printing
with
multiple
security
features



Easy-to-
operate

Low Waste



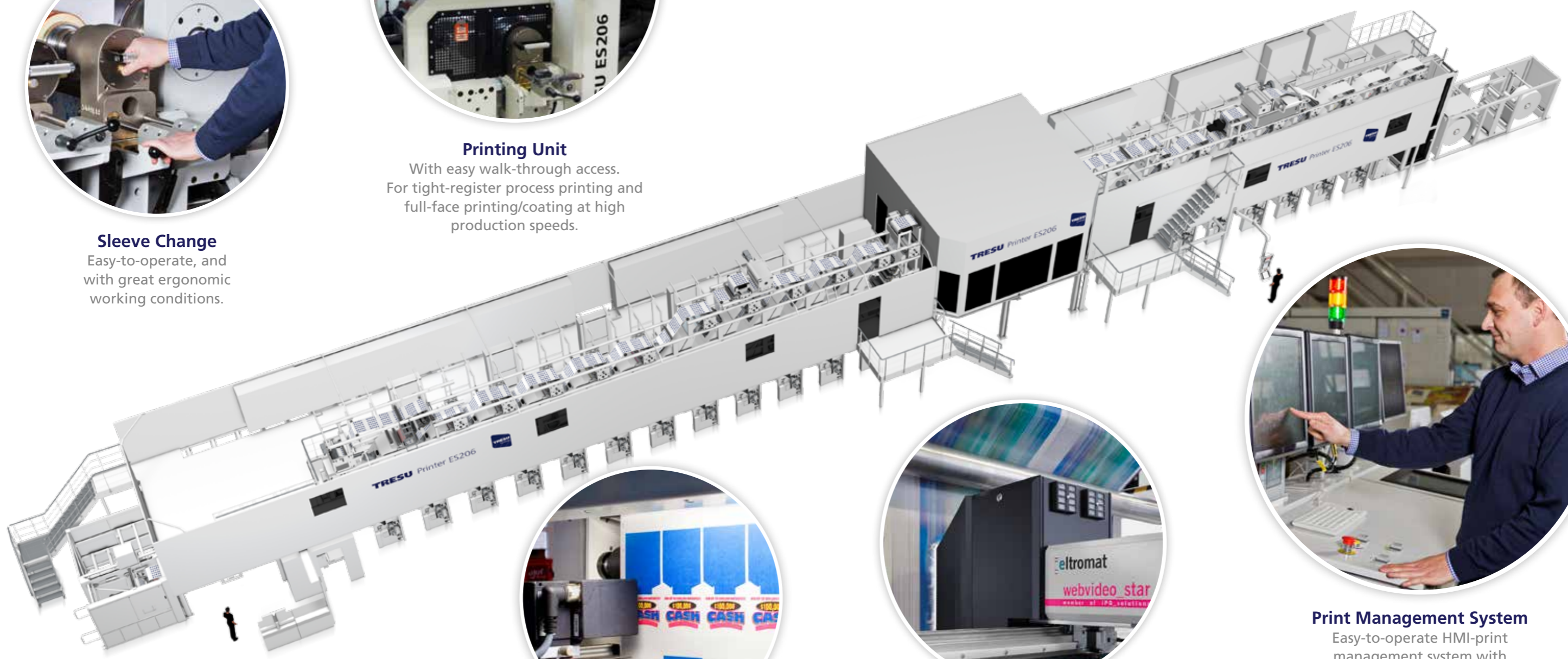
The Base of Performance



Sleeve Change
Easy-to-operate, and with great ergonomic working conditions.



Printing Unit
With easy walk-through access. For tight-register process printing and full-face printing/coating at high production speeds.



Register Control
Fully automatic traverse. Eltromat register control system with complete, automatic pre-setting ability.



World Class Press Speed
The press construction and the super efficient drying system makes 400-600 m/min. production speeds possible.



Print Management System
Easy-to-operate HMI-print management system with advanced visualization and operator interface.



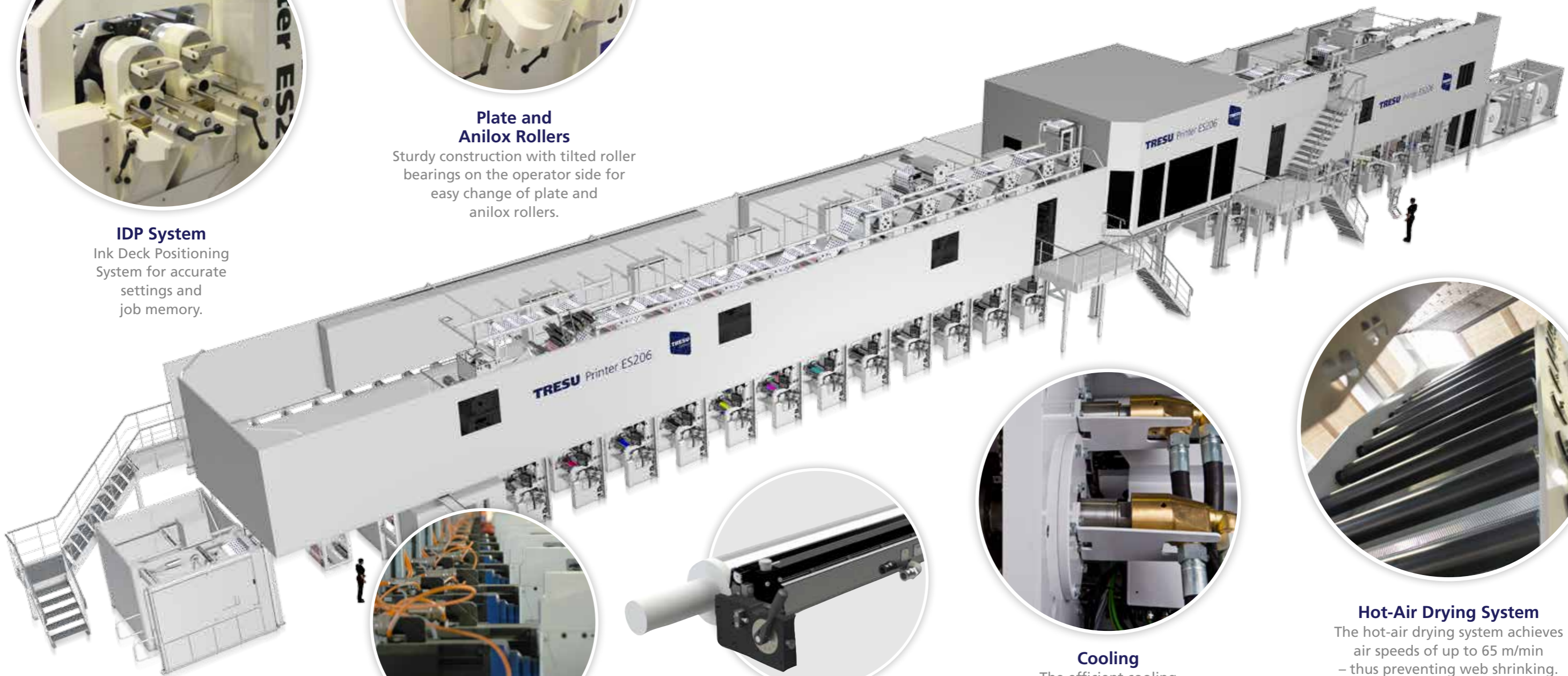
The Base of Performance



IDP System
Ink Deck Positioning System for accurate settings and job memory.



Plate and Anilox Rollers
Sturdy construction with tilted roller bearings on the operator side for easy change of plate and anilox rollers.



Full Electronic Drive
Each print unit is equipped with eight servo motors – for the anilox roller, the plate-, and the impression cylinder.



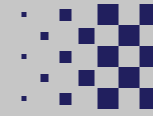
IMW
TRESU's world leading chamber doctor blade system for perfect doctoring at high speeds, and quick job changeovers.



Cooling
The efficient cooling system ensures an optimal web temperature.



Hot-Air Drying System
The hot-air drying system achieves air speeds of up to 65 m/min – thus preventing web shrinking. Automatic regulations means that approx. 15-25% of the air is constantly renewed. The system provides easy web access for cleaning and comfort, great colour consistency and very few recirculation losses.



TRESU Printer ES206 **– The Lottery Solution**

TRESU Printer ES206 is a high performance instant ticket flexo printing press, offering high quality, reel-to-reel inline printing and finishing. The ES206 offers CMYK/process printing, multiple PMS colours, and a wide range of sophisticated features – such as cold foil, security coatings etc.

With a printing width from 660 mm, printing speeds from 400-600 m/min., and repeat lengths ranging from 450-840 (1060) mm, the TRESU lottery solution is sure to provide a high return on investment. Additional press features includes high capacity, hot-air drying and/or UV/EB-curing systems, a digital image section, high production speeds and quick job changeovers.

The ES206 handles multiple substrates, including pre-printed substrates, and offers inline embossing and perforating.



“This is the most advanced instant ticket printing press in the lottery industry. It includes a number of unique features that will ensure it provides the most efficient and flexible inline instant ticket printing available.”

Doug Pollard,
Co-Chief Executive Officer,
Pollard Banknote

The Base of Performance



Web/print width	From 660 mm
Print speed/optional	400 m/min / 600 m/min
Repeat length	450-840 (1060) mm
Substrate	Paper, paperboard 4,5 - 24 pt (points) Coated, uncoated or metalized paper
Ink	Water based, UV/EB. Solvent optional
Unwind	Single or non stop dual. Lap splice or butt splice
Infeed	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.
Back side print	Standard
Drying	Hot air and/or UV / EB
Cooling	Chill rollers after hot air drying and/or chill roller combination with UV lamps
Outfeed	Pull & brake, edge guide and dancer.
Rewind	Single or non stop dual
Die cutter	Optional
Perforator	Optional



The Best Part of Innovation



The Lottery Solution starts with R&D

Research & Development starts with you - our customer. Interaction is at the centre of our approach - working closely together, identifying problems and needs in order to optimise, innovate, and simplify production processes. Our skilled engineers are with you every step of the way, managing and achieving your unique project goals and objectives, while honouring the scope, time, and budget involved.



The Lottery Solution benefits from accredited ancillary products

Accredited ancillary products, guaranteed to perform, is not to be underestimated. And as a world-leading supplier, TRESU Ancillary solves this challenge with a range of flexo, offset and gravure printing consumables, including pressure-controlled, on closed chamber doctor blade systems that ensure even ink and coating laydowns at fast speeds as well as high gloss values.

See the latest innovation in our Showroom

TRESU's showroom serves as the perfect showcase for the latest innovation and development. Experience the potential of our show press and see print demonstrations on both standard and customer-specific jobs, and on a variety of substrates.



Supporting the world's largest carton board supplier

Over the past 21 years, TRESU has custom-built nearly 60 large presses for Tetra Pak, the world's leading carton board converter of liquid dairy packaging products. The presses are operating on five continents, and during the cooperation period TRESU has co-developed unique components exclusively to the client that enhance performance and versatility.

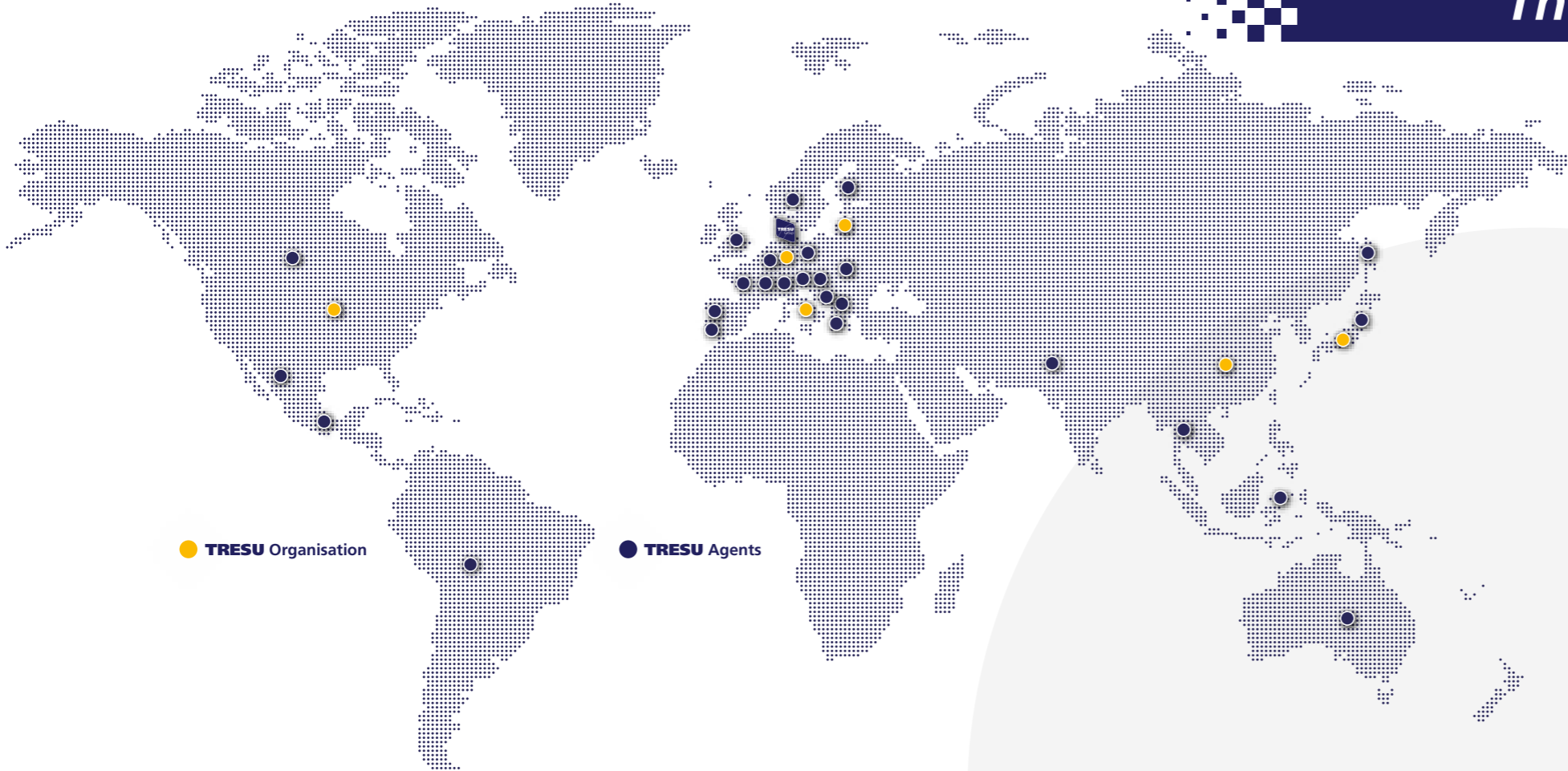
Supporting the global lottery and gaming industries

The scope of TRESU projects is wide in terms of size and end-use application, and building and delivering complete multi-station printing and converting lines to the leading innovators in the gaming industry is another achievement.



Competitive edge with bespoke solutions

The need for unique solutions has become more acute, and our team of engineers are constantly helping scores of customers to find competitive edge with precision and bespoke printing solutions for many applications. Among the latest, innovative developments are the TRESU iCoat 30000 and the TRESU Pinta - advanced, inline coating solutions for the new HP Indigo 30000 digital press and the Xerox iGen™ digital press and Océ Infinistream.



● TRESU Organisation

● TRESU Agents

Global Presence

The TRESU Group has over 235 employees worldwide, production facilities in Denmark, Lithuania and sales subsidiaries in Germany, Italy, China and Japan and the Americas, providing round-the-clock, local support and know-how.

Training Package

The TRESU service department consists of highly specialised service technicians. They cover every field of activity, bringing you all their expertise and experience in TRESU equipment, ensuring that installations, repairs and maintenance are done professionally.

Preventive Maintenance is an increasingly important subject today because of customer demands for punctual and high quality deliveries. Therefore TRESU offers our customers pre-operator training and updated supplementary training on-site. The service concept is a preventive maintenance check of your printing machines, ensuring that your machines are at the peak of their performance at all times.

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24 Hour Hotline

The TRESU Service Team is happy to assist you in case of breakdown, repairs and maintenance. The Service Team is directly connected to our worldwide Engineering Group that will help you with information and recommendations for special requests.

TRESU WebShop

In the TRESU Original Parts Webshop our worldwide customers can order ancillary, spare parts and consumable products directly, at highly competitive prices, with full guarantees.





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