

Premium cross and inline hot stamping transfer

Including
hologram
application



HOT FOIL STAMPING

NOVAFOIL 106 | H

At a glance

BOBST

Empowering flexibility

Equipped for inline and cross transfer, **NOVAFOIL 106** features a specially developed hot stamping transfer section. A prolonged dwell time combined with an even temperature and increased pressure ensure an amazing embellishment quality. Easy setups and economic film use allow maximum uptime and more cost-efficient production. Versatile, reliable and long-lasting, this hot film stamper gives an excellent return on investment and keeps customers happy, while enabling the development of new business opportunities.

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Efficient, versatile
and cost effective

High-quality
embellishment

Operator-friendly
ergonomics

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Creating value

BOBST innovations
are driven by customer
and brand owner needs.

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Functional packaging and protection

Protecting the goods in a clever way is required. Single serve, multi-packs, re-sealable, see-through.

Customization, versioning, personalization

Packaging needs to reach all segments of the society taking almost any shape and size from very short runs to reprint and long runs. All with the best color consistency.

E-commerce & omni-channels

Multiple retail formats set new requirements for packaging. On-demand production, timely delivery across multiple designs, shapes and sizes.

Sustainability

Packaging production needs to reduce its environmental carbon footprint – less waste across the entire supply chain. New and thinner substrates. Recycling and re-use are the new rules.

Faster time-to-market

A growing number of products need to reach consumers faster. Product lifetime is shorter. From product design to the consumer experience, the supply chain has to be more agile.



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Digitalize and connect your workflow

Prepare

OACS Connect

Calculate film advance options ahead to plan film supply and prepare data ahead of production

Digital Inspection Table 106

Digitalize your pre- and post-press quality control process to make it quick, reliable and cost-efficient

Produce

Digital Makeready Tool

Speed up the die makeready process and improve stamping precision by using the digital job layout

SPHERE

Store job recipes for quick setups and get real-time information about performance, equipment and energy consumption

Optimize

Performance analysis and reporting

Get production data and OEE insights to make informed decisions and be proactive

React

Remote assistance

Solve issues remotely with video and augmented reality assistance



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Precise and consistent

Feeder

- Latest generation feeder head with suction units for smooth feeding
- Stainless-steel feeding table, belts and anti-static steel plate guarantee ideal material flow
- Controllable sheet arrival for perfect synchronization and reduction of machine stoppages



High efficiency

HMI SPHERE

- SPHERE provides a single point of control for all functions of the machine
- Intuitive and operator-friendly navigation with step-by-step setup
- Possibility to recall of up to 5,000 job settings
- Allows swift setups and changeovers for more machine uptime
- SPHERE allows machines and data to be connected in one comprehensive platform



Exceptional register

ACCUREGISTER

- Optional "No sheet-edge contact" system guaranteeing perfect register quality
- Large correction range in front and lateral direction
- Higher machine performance by reducing feed-related production stops
- Less waste during set up and production

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Unique embellishment

Platen section

- Dedicated hot stamping transfer section
- Increased dwell time, high stamping pressure and stable temperature guarantee exceptional embellishment quality
- Reduced patching time, faster setup
- Impressive uniformity and precision



Flexible

Cross film transfer and hologram application

- Inline film supply with up to three advance shafts, combined with optional cross film-transfer module with two advance shafts provide maximum versatility
- Allows application of intricate designs and one-pass productivity
- The machine can also be equipped with up to 10 dedicated modules for extremely efficient hologram application



Reliable

Efficient production

- Powerful gripper bar advance system for smooth sheet transport
- Great machine stability, ensuring production continuity and product quality

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**Saving time
and money**

OACS Connect

- The Optimal Advance Computing System (OACS) calculates optimal film advance, ensuring important savings in film use and setup time
- With OACS Connect, film advances can be calculated remotely according to different priorities and sent directly to the machine, without operator intervention
- Enables pre-production film use calculations for predictable cost and supply chain planning



Ensuring quality

Adaptability and control

- Easy and safe sampling for quality control during production
- Different equipment packs allow to further adjust the production for specific materials
- Paperfree quality control with the **> Digital Inspection Table** ensures precision and traceability



User-friendly

Ergonomics

- Easy access to all functions and settings, including hot stamping transfer area
- Pivoting film unwinding unit for fast and easy roll change
- Optional lift to easily load heavy rolls
- Small footprint, compact machine
- With the **> Digital Makeready Tool**, the complex die-positioning process can be considerably simplified and shortened

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Unique hologram application

Holograms guarantee a unique identity to packaging, bank notes and tickets, equally protecting brands and customers from counterfeiters. With up to 10 completely redesigned modules, the NOVAFOIL 106 can easily be transformed into a highly specialized hot film transfer for hologram application. With the **NOVAFOIL 106 Hologram** version, the application of holograms becomes extremely efficient and flexible, while providing the exceptional quality that brand owners expect.



Efficient

Hologram modules

- Up to 10 hologram modules can be mounted on 2 transversal rails
- Modules can be set up individually on the rails, according to production needs
- Allows maximum efficiency over the 106 width
- Possibility to run complex designs for brand protection in one single pass



Productive

High performance

- Quick connection of modules to the machine with "plug and play"
- Fast reel change with easy and precise positioning for minimum downtime
- Modules equipped with individual motors and electrical brakes for top performance



Precise

Dedicated register

- A register for every reel ensures perfect application precision
- Electronic system on the modules reads the hologram or pre-printed marks to control the film advance
- Advance shaft equipped with pressure rollers for perfect film tension

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1	NOVAFOIL 106 H	
Height	3.2 m	11 ft*
2		
Length	7.7 m	25 ft*
3		
Width	6.7 m	22 ft*

*Values may vary according to configuration.

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Convertible stock*

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Paper, min	80 g/m ²	.004 in
Carton or solid board, up to	2,000 g/m ²	.060 in
Corrugated board, up to	3 mm	.120 in

*Carton acceptable warp : 4% of the widest sheet

Capability

Sheet size, max	1,060 x 760 mm	41.73 x 29.92 in
Sheet size, min	400 x 350 mm	15.75 x 13.78 in
Stamping and embossing size, max	1,052 x 742 mm	41.42 x 29.21 in
Cutting die standard 3B size, max	1,070 x 770 mm	42.12 x 30.31 in
Production speed, up to	7,000 s/h*	7,000 s/h
Stamping force, up to	100 FTU**	100 FTU

*Achievable production speed depends among other things on the complexity of the job layout and the combination of roll width, roll diameter and film advance in cross and running direction.

**Foil touch units.


Heatable beam

Adjustable temperature	20 - 160 °C	70 - 320 °F
Zones individually controlled	12	12

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Foil supply module

Reel diameter, max.	350 mm	13.75 in
Reels hub diameter	25 / 75 mm	1 / 3 in
Web width	25 - 1,060 mm	1 - 41.73 in
Web advance shafts		
basic	2	2
option	1	1
Programme advance, up to	760 mm	29.92 in

Foil supply module cross foil

Reel diameter, max.	250 mm	10 in
Reel hub diameter	25 / 76 mm	1 / 3 in
Web width	25 - 760 mm	1 - 29.92 in
Web advance shafts		
basic	1	1
option	1	1
Programme advance, up to	1,060 mm	41.73 in

Foil supply module hologram

Reel diameter, max.	300 mm	11.81 in
Reel hub diameter	76 mm	2.95 in
Web width	25 - 100 mm	1 - 3.94 in
Web advance shafts		
basic	1	1
option	1	1
Programme advance, up to	760 mm	29.92 in

Pile height

Feeder, max.		
normal mode	1,400 (1,800)* mm	55 (71)* in
non-stop, manual	1,100 (1,520)* mm	43 (59)* in
Delivery, max.	1,220 (1,620)* mm	48 (64)* in

*Height with maximum machine elevation

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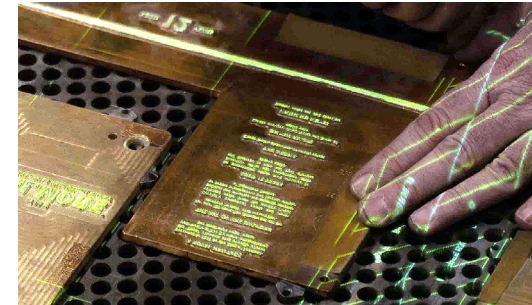
Chase changer

This pivotable presetting table significantly reduces set-up time during changeovers. It allows a single operator to pre-prepare the next job and switch out the honeycomb quickly and safely without any interruption to production.



Digital Inspection Table 106

- Easy quality control of printed sheets, proofs, die-cut and embellished blanks
- Optional back light for specific quality control of embellished surfaces
- Quality check of embossing, including Braille
- Reduces risk of product recalls and quality cost



Digital Makeready Tool

- Fast and easy setup of dies by projecting the digital layout on the honeycomb chase
- Cuts down setup time, increasing productivity
- Assures impeccable stamping register quality
- Less waste sheets, for more cost-efficient and sustainable production

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Maintaining excellence

Expert services for all your equipment.
Improve your processes, boost your productivity and enhance your expertise with a complete range of services from BOBST.



Maintenance Plus

- Scheduled maintenance with BOBST certified technicians
- Preventative intervention, maximizing machine uptime
- Optimum performance over the equipment lifetime

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Approved parts and logistics

- BOBST Original and Certified parts, and consumables
- Quality assurance, and extended maintenance intervals
- Worldwide distribution, and full availability where and when you need it

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Machine upgrades

- Additional features, configured for your machine
- Enhanced functionality, connectivity and capability
- Future-proofing your investment, maintaining competitive advantage

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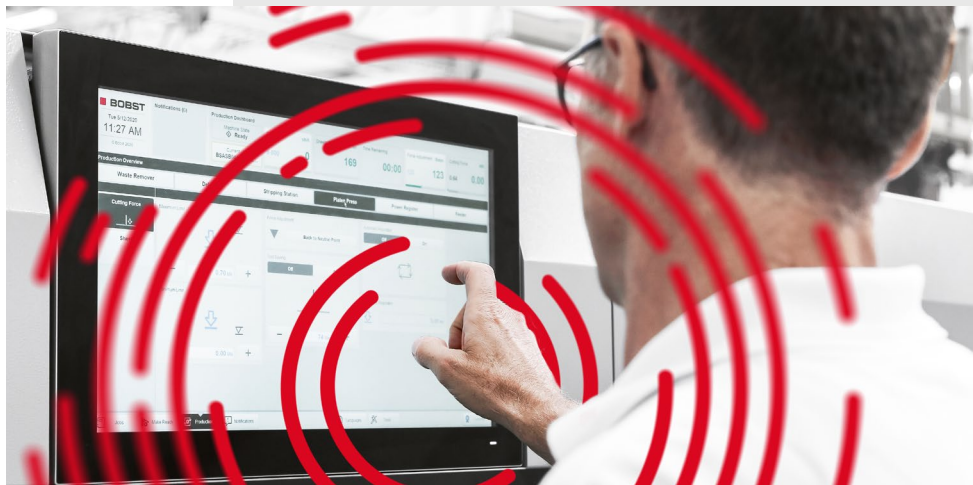
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Digital age manufacturing happening with BOBST Connect

BOBST Connect is an end-to-end, user-centric digital platform that enhances and increases your packaging productivity. It's designed to help you make the most of the data your machine generates, improving efficiency across your value chain.

As well as exceptional data insights, BOBST Connect helps to orchestrate and improve your whole production process, from your PDF to the finished product and quality report. It brings data and digital services together in one fully connected platform, with machine insights and expertise built in.

All of this is available to you as part of BOBST Connect Essential, the first subscription level that you receive when you purchase a new BOBST machine.



Performance analysis

- Production insights, including interaction of OEE components
- Identify and eliminate performance gaps

Accurate reporting

- Meaningful insights on OEE and downtime
- Accurately measure target speed and quality losses
- Trend analysis over time

Progress indicator

- Highlights extensive production deviations
- Empowers timely interventions

Remote assistance

- Priority access to technical specialists
- Video with Augmented Reality expert support based on real-time data
- Available 24/7 (optional)

Shift management

- Optimize planning time
- Deliver overall resource efficiency

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Transforming the quality control process



The **Digital Inspection Table Folding Carton 106** enables a fully digital and paperless quality control process with instantly projected digital overlays. Quality processes across printing, cut to print, creasing, patching, hot film transfer, Braille, embossing and quality reporting are improved. Work smarter and faster, with productivity boosted by a reduction in makeready times and errors.

Extensive benefits

Improving profitability and productivity

- Reducing expensive recalls and reruns
- Cutting makeready time
- Data driven and continuous production improvements and quality

Digital Quality Control

- Fast, accurate, predictable and reliable quality
- Impactful, data-driven insights drive improvements

- Optimize manual processes with digital workflows
- Significant savings, reducing costs and increasing sustainability

Customer confidence

- Deliver consistent high quality
- A step closer to delivering zero-fault packaging to your customers
- Maximize relationships with new and existing customers

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