

**Incredible speed,  
exceptional output**



**DIE-CUTTING | FOLDING CARTON**

**MASTERCUT 106 PER**

At a glance

# Empowering flexibility

When only the highest die-cutting productivity will do: **MASTERCUT 106 PER** is the most highly automated and ergonomic die-cutter on the market. This top of the range machine delivers unmatched productivity thanks to fast, uninterrupted production and exceptionally short set-up times, while also providing superb quality of the finished product.



Exceptional level  
of automation

Unrivalled  
productivity

Incomparable  
quality

**BOBST**

## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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# Creating value

**BOBST innovations**  
are driven by customer  
and brand owner needs.

> READ MORE

## 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.



## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1–3
  - > 4–6
  - > 7–9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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Perfect sheet feeding

### SMART FEEDER 3

- Intelligent system providing smooth and precise sheet feeding
- Automatic detection of sheet size for automatic machine setup
- No operator intervention needed
- Dramatically cuts feed errors



Unique register

### POWER REGISTER 3

- Larger range correction, avoiding feed related stops
- Powerful servo-motors
- Integrated auto teach
- Fully automatic positioning of lateral camera reduces setting times



User friendly

### HMI SPHERE

- Controlled by the advanced BOBST Human Machine Interface (HMI)
- Large 22" full color, high definition touch screen
- All settings appear on one screen for more convenient and intuitive navigation
- Can store up to 5,000 job set-ups to minimize setting time

### MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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Fastest set-up

### MATIC

- Allows for a vast number of automatic setting features
- Shortens set-up time and reduces operator intervention

### MATIC Plus

- Fully automatic settings of stripping and blanking tools for minimum operator intervention and maximum uptime
- Thanks to cameras, tools are perfectly positioned in register to the printed sheet



Stressless changeovers

### TooLink

- This unique system allows automatic job recall without any operator intervention
- The chip-equipped tools are automatically detected by the machine and the production-ready recipe is recognized



Shortest make-readies

### Smart non-stop

- Fully automatic setting of the non-stop rack system, in a few seconds, for the highest efficiency
- The system scans position of joggers on lower blanking tool and sets the swords accordingly
- Selected swords are displayed on the HMI SPHERE

### MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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### Perfect stacking

#### Full jam detection

- Complete control of blank stacking over the entire sheet size
- Automatic setting of paper jam detection allowing perfect stacking of blanks for unrivalled end product quality



### Efficient ease of use

#### World-class ergonomics

- World's only die-cutter settable from just a single point of control
- Integrated user interface
- "End job - New job" function for setup time reduction
- Cuts set-up time to a minimum



### Smoothest transport

#### Double cam gripper bar advance

- Accelerates and decelerates sheets in the smoothest way possible
- Allows handling of the lightest materials with a minimum number of nicks
- Smaller nicks needed to achieve impeccable finished product quality

#### MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

<b>1</b>	2.90 m	9.51 ft
<b>2</b>	10.10 m	33.13 ft
<b>3</b>	6.20 m	20.34 ft

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### Convertible stock

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Paper, min.	70 g/m <sup>2</sup>	.004 in
Carton or solid board, up to	2,000 g/m <sup>2</sup>	.060 in
Corrugated board, up to	4 mm	.160 in

### Capability

Sheet size, max.	1,060 x 760 mm	41.73 x 29.37 in
Sheet size, min.	400 x 350 mm	15.74 x 13.78 in
Production speed, up to	11,000 s/h	11,000 s/h
Cutting force, up to	2.6 MN	286 US ton

### Die-cutting

With gripper margin, max.	1,060 x 746 mm	41.73 x 29.37 in
Embossing size, max.	1,060 x 730 mm	41.73 x 28.75 in
Gripper margin	9 - 17 mm	.35 - .66 in
Height of cutting rules	23.8 mm	.94 in

### Pile height

Feeder, max.	2,000 mm	78.74 in
Feeder, max. with non-stop, manual	1,600 mm	62.99 in
Delivery, max.	1,600 mm	62.99 in

### MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1–3
  - > 4–6
  - > 7–9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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## Related products



### **AUTOMATIC PILE TRANSFER (APT)**

APT optimizes material flow by continuously supplying pallets of work to the feeder. Empty pallets are then transported to the machine's delivery to be loaded with finished product.



### **EASYTRANSFER & SHUTTLE RACKS**

Shuttle racks simplify the transfer of tools which are then lifted to the machine platform with Easytransfer, reducing manual handling and making the operator's job safer and more efficient.



### **CHASE CHANGER**

This pivoting presetting table allows you to prepare a second job during production, cutting on-machine makeready time to one minute.

### **MASTERCUT 106 PER**

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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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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## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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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

## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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# Full tooling process optimization

In this challenging market, great tooling provides the consistency that you and your customer need, from the first to the last box of an order. BOBST offers the most advanced tools and equipment for die-making and converting processes so you can exceed customer quality and turnaround expectations, all while maximizing uptime and profitability.



For more information on advanced tooling and die-making products, please contact our experts.

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## World-class die-cutting

- Forward thinking die-making equipment and software
- Shorter lead times without compromising quality
- Create exceptionally precise tooling for every converting process

## Certified Die-Makers

The Certified Die-Makers Program supports and promotes world-class local die-makers. Choosing a certified die-maker guarantees the best local tooling solutions, with BOBST supporting the ongoing innovation, digitalization and quality improvements of these specialists.



## Enhanced converting

- Industry-leading range of equipment
- Made for all cutting, stripping and blanking stations
- Shortens set-up and changeover times

## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

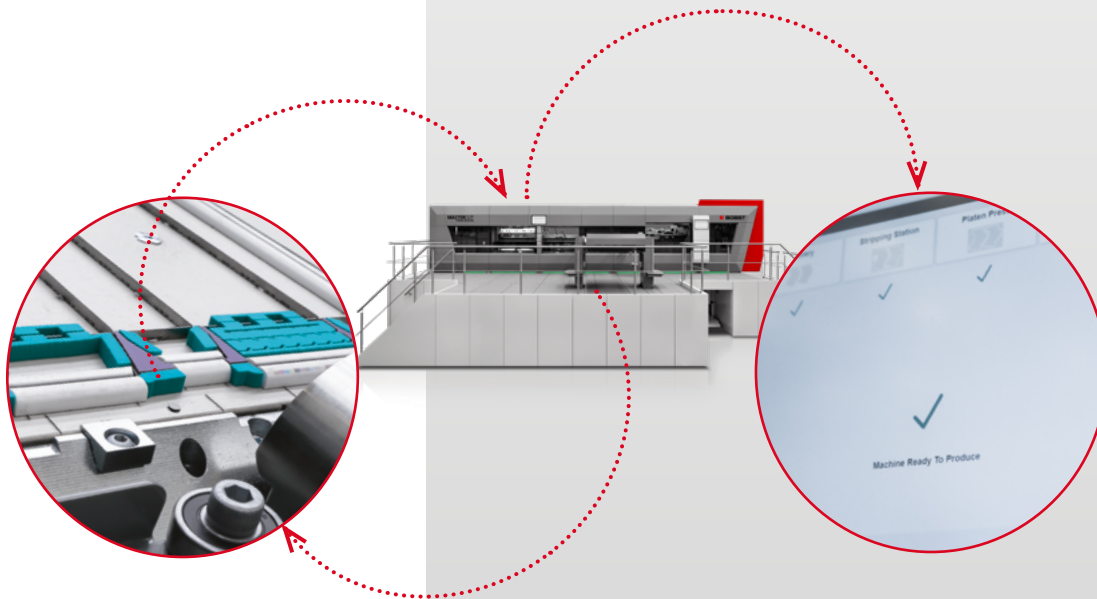
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# Digital technology for smarter converting

TooLink brings converting into the digital world. It is the new platform that connects your machines and tooling, and brings together your entire converting process to transform production flexibility, job turnaround times, and overall productivity.

A BOBST die-cutter can be data-chipped with TooLink, creating a unique digital ID that enables instant recognition through your machine HMI, and provides a production-ready job recipe. TooLink helps to simplify and automate the production process, putting you ahead of the curve for smart and more sustainable converting.



## Extensive benefits

- Saving up to 15 minutes in job changeover times, increasing efficiency and flexibility
- More consistency and continuity in the job recipe management for better product quality
- Fewer setup adjustments for increased cost-efficiency and sustainability

## Technology for the future

- Industry-leading digital technology
- 2 sets of ≥ High Performance Tooling - including TooLink chips - for machines with blanking
- Ready for BOBST Connect platform, allowing an end-to-end process overview, for complete production process management and optimization

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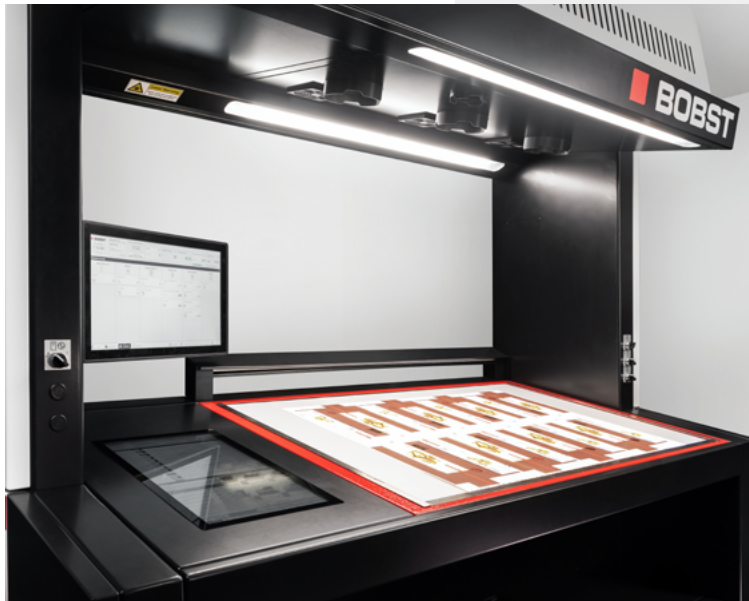
## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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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 foil stamping, 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 clients

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## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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## MASTERCUT 106 PER

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1-3
  - > 4-6
  - > 7-9
- > Specifications
  - > Measurements
  - > Technical information
- > Related Products
- > Services
  - > General services
  - > BOBST Connect
  - > Tooling
  - > TooLink
  - > Digital Inspection Table

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