

High volume packaging. **Boardmaster.**





Embracing innovation. Introducing the Boardmaster by HEIDELBERG.

The Boardmaster® is more than just a new product, but a tool that empowers you to exceed customer expectations and secure your productivity.

Whether you are in the market for general folding cartons, liquid packaging or lottery tickets, the Boardmaster gives you the ability to keep running while others are down for job changes. Downtime is turned into uptime, maximizing your return on investment.

The Boardmaster introduces the newest, most innovative features the flexo printing industry has seen in the past 20 years. With unprecedented near-offset print quality and the most efficient press setup in the market, the Boardmaster stands out as a unique and revolutionary machine in the world of flexo printing.

The combination of Boardmaster and the Intellimatch scanner enables zero changeover downtime and nonstop production. The perfect match of these two machines, makes the advantages of digitalization now also available to flexo printing while setting new standards for productivity.

The industry's growing need for sustainable solutions is met not only by reducing changeover waste to a minimum but also by using fully recyclable water-based inks.

The Boardmaster is a strategic addition to our portfolio, designed to address the evolving needs of the packaging industry.



 [heidelberg.com](https://www.heidelberg.com)

A new high in availability. The art of productivity.

With a potential machine availability of 90 percent, the Boardmaster ensures the production line remains operational for longer periods, maximizing output and securing a higher return on investment.

One button operation in wide-web flexo printing has become reality through the combination of Boardmaster and the Intellimatch scanner. Based on artificial intelligence (AI) Intellimatch autonomously takes care of all press settings and provides consistent and close to offset print quality.

While one unit of the Boardmaster is printing, the other is being prepared for the next print job. Intellimatch provides all the setting parameters and allows fully automatic setting of the printing units. The 600 m/min printing speed provides for an output of around 36,000 printed sheets per hour in format 7.

Boardmaster is available in four different web widths, so you can find a size that is right for you. In addition, two distinct print station designs and your choice of hot air, UV or even hybrid curing allow you to customize your new Boardmaster to fit your needs.



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PERFORMANCE RATION

Zero changeover downtime. Simplicity through technology.

The perfect interaction of Boardmaster and the Intellimatch scanner enables seamless transition between jobs, allowing the machine to switch at full speed without interruptions.

Nonstop productivity maximizing return on investment.

The Boardmaster enables seamless job changes, at full production speed of up to 600 m/min, with minimal waste and zero downtime. By capturing all the time formerly spent setting up and adjusting the new job, the Boardmaster buys you up to an entire extra shift of production per year.



Features making zero changeover possible.

Optical plate scanning

Intellimatch

By scanning the topography of a printing plate in minute detail with the Intellimatch scanner, the Boardmaster can automatically set impression.

On point every time

Precision Register Control

The Boardmaster includes, as standard, the HEIDELBERG® register control. This system gives you spot-on print registration in both X and Y axes and automatically engages on a nonstop job change.

Detect errors before they happen

Built-in quality control

Your new Intellimatch scanner can also detect plate mounting errors, out-of-round print sleeves, and debris before the plate ever gets to the press.

Impression consistency

Dynamic Impression Control

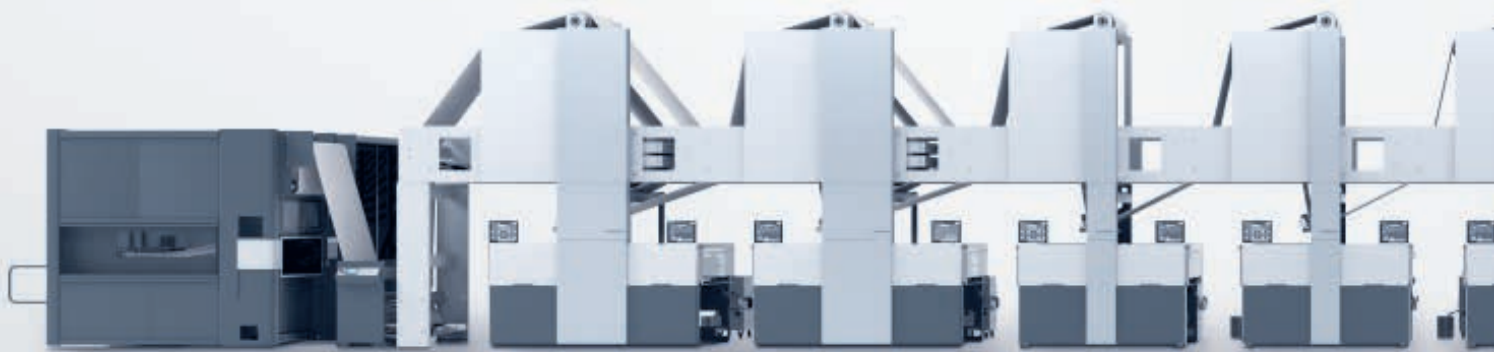
The Boardmaster automatically adjusts impression throughout speed changes, keeping your output consistent at all times.



→ heidelberg.com/en/intellimatch



BOARDMASTER



Zero changeover downtime

as all print relevant data is provided by Intellimatch for presetting the Boardmaster units fully automatically.

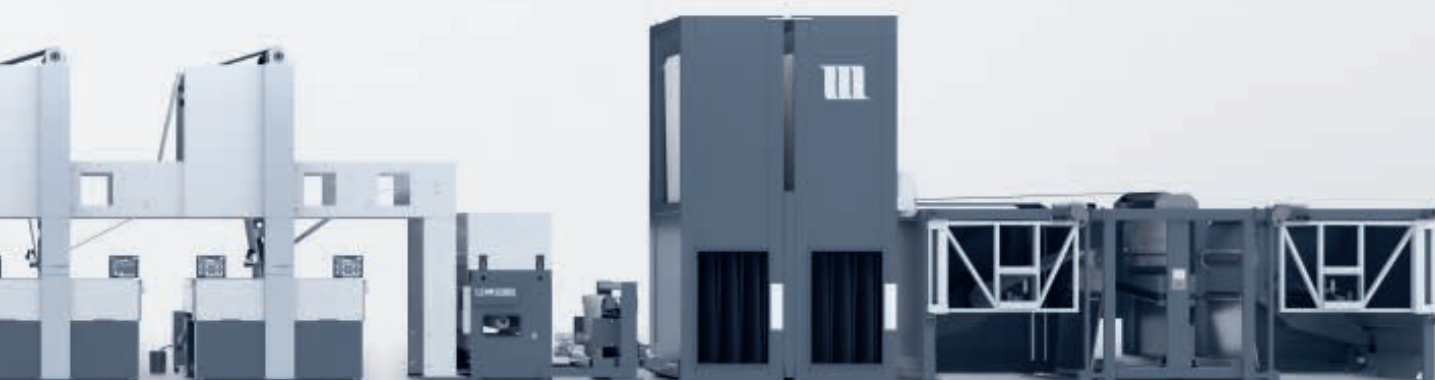


Nonstop production since one unit can be completely prepared for the next job while the other one is printing.

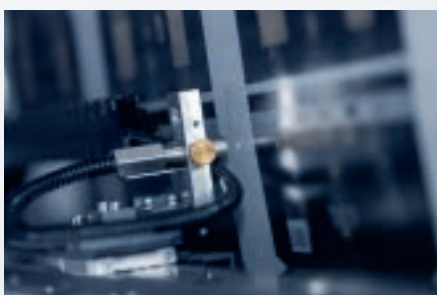


The intuitive design of the Human Machine Interface (HMI) ensures that operators can easily navigate through various settings, configurations, and monitoring features.

ER



High performance with 600 m/min (2,000 fpm or 36,000 sheets per hour in format 7).



High machine uptime with the AI-based automatic register control.



Adding value with coating, whether water-based or UV, at full production speed.

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Nonstop rewind

As one of the inline-finishing options the **nonstop** rewind allows roll to roll production.

10

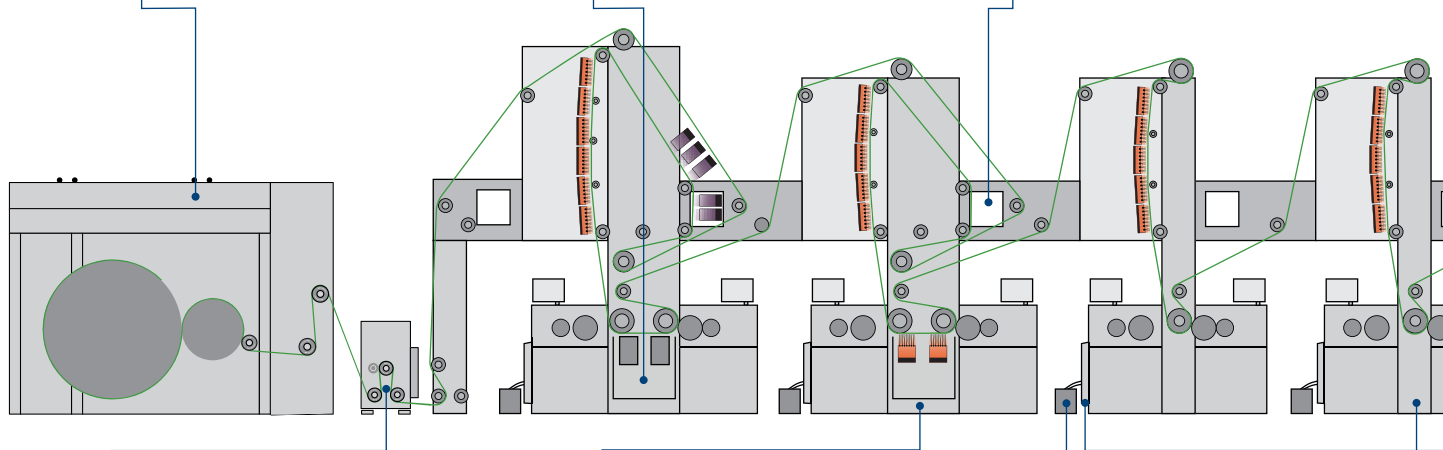
Interdeck dryer

The interdeck dryer ensures **highly efficient drying** of the first printed color in the double print deck.

8

UV drying system

The highly efficient UV system provides **fast UV curing**. The chill rollers avoid an excessive temperature increase of the web.



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Machine outfeed

After securing the perfect impression with **the web inspection**, the **out-feed unit** maintains web tension and prevents register variations by isolation of down-stream processes.

9

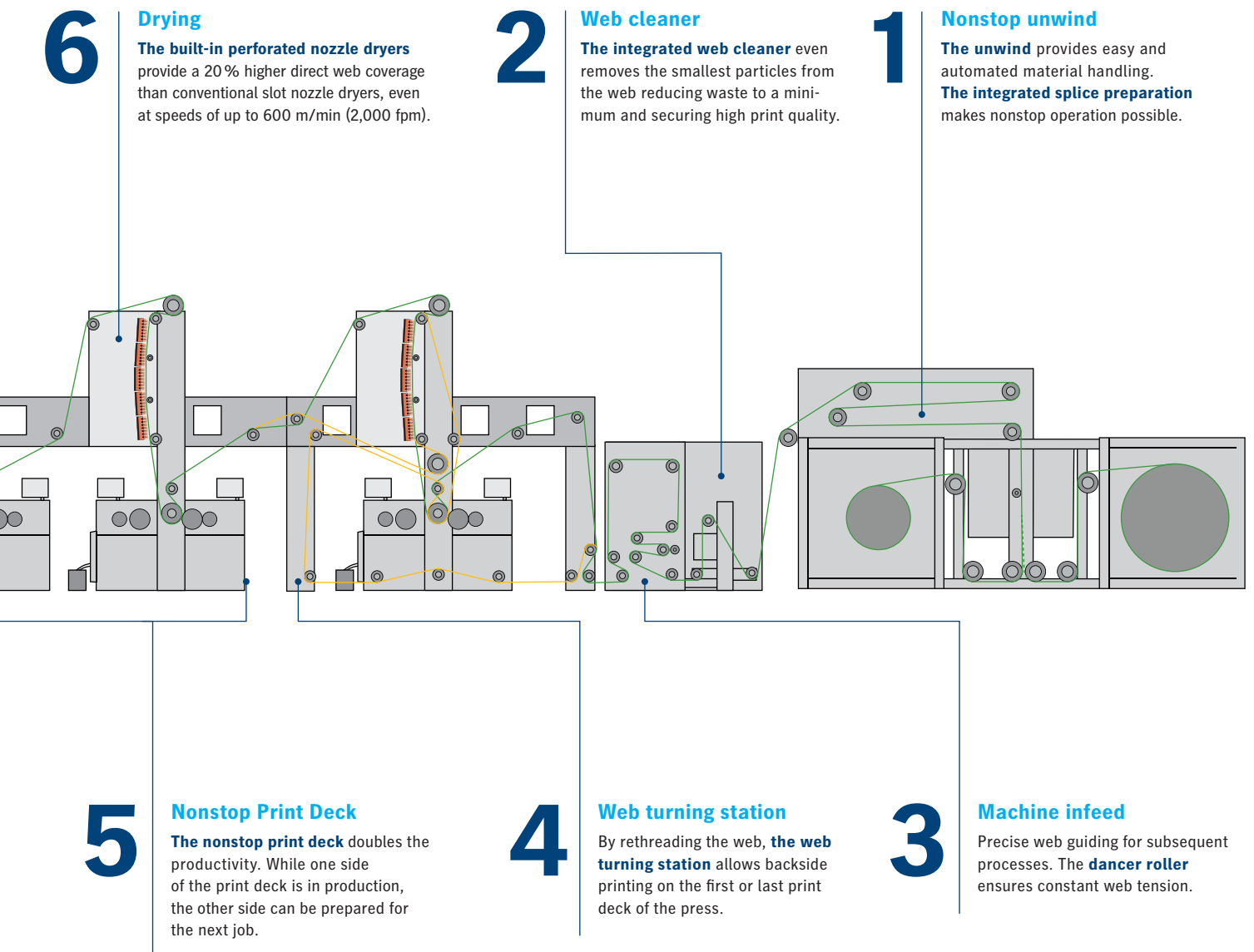
Double Print Deck

The double print deck prints two colors in one pass with at least 40 % smaller footprint as well as 40% less energy consumption.

7

Inking and wash up system

The automatic ink supply and wash up system save time and reduce ink loss.







OPERATION

Operator friendly. Support the workforce.

The Boardmaster stands out as an exceptionally user-friendly printing solution, safeguarding a seamless operating experience.

The Boardmaster is designed to be especially operator-friendly – and this includes its setup: all touchpoints are conveniently accessible at the same level. This eliminates the need for operators to use ladders to reach control desks, a common requirement with central impression presses. With the ability to operate the machine from multiple access points, the need for a main desk is eliminated, enhancing efficiency by saving time and energy.

Additionally, the machine's user-centric design extends to even less experienced operators and lesser trained staff, who will find handling the Boardmaster both easy and safe. Control panels positioned along the machine facilitate secure handling from any location, further streamlining operations. This intuitive setup not only saves time but also reinforces the machine's reputation for exceptional safety standards.

Features streamlining the operation of Boardmaster.

Standardized concept

All operating features

Enables operators to switch between different Boardmaster machines seamlessly. The easy transition allows for an even more efficient approach.

Immediate screening

Touch panels

The Boardmaster allows real-time visibility of the print process so operators can monitor the output exactly where it occurs and at any time during the printing process, eliminating the need to wait for the full picture.

Flexible operations

Control panels

With strategically positioned control panels along the entire machine, operators can control the process at any position, eliminating the need for a main desk. This saves time and provides optimal efficiency.



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Inline finishing.

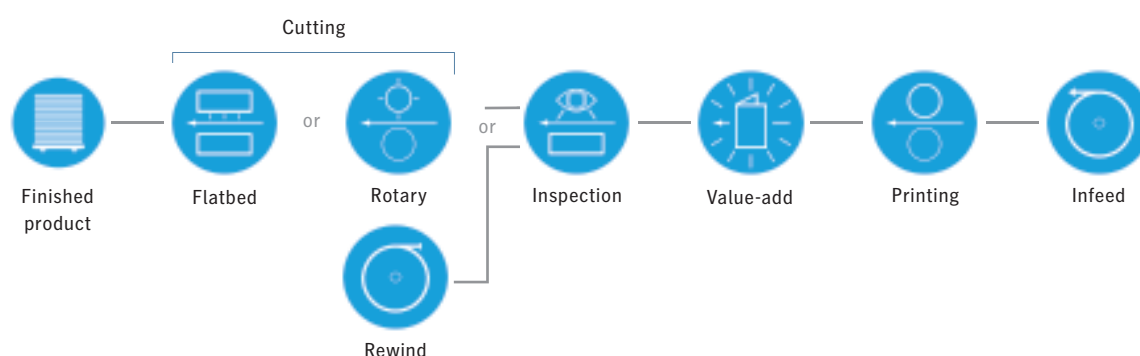
The finished blank in one pass.

With our customized flexo printing presses it's only one step to print, embellish, and die-cut.

A robust flatbed die-cutter for highest register accuracy, shortest changeover times and consistent scoring quality.

In the end, it's only performance that counts. With this in mind, we designed the die-cutter to provide maximum uptime and superior performance. Directly integrating embellishment and die-cutting into the ongoing production process not only saves material and time, but also unnecessary storage space.

Cutting, creasing, embossing and contour punching are done with outstanding performance and reliability at high punching pressure. A 100-percent inspection control with a single blank injection system for defective cartons can also be added.



Highest productivity through robust design

Robust construction of the flatbed die-cutter

Provides for consistently high quality as well as excellent register accuracy when cutting and embossing. An investment that pays off.

Competitive advantage

Low tool costs

The fast and easy tool changes makes it the ideal solution even for smaller order quantities.

Production performance up to 21,000 strokes/h

Production speeds up to 220 m/min

Even challenging embossing and creasing structures can easily be produced at 300 tons of punching to convert all standard solid carton boards – whether virgin, recycled or laminated.

Simple and intuitive

A flexible machine with proven technology

Our patented feeder at the punching unit provides extremely quiet running and the highest register accuracy during the printing process. Format adjustments can be done by pressing a button, any changes made are stored directly in the main memory for repeat jobs.

Setting up, adjusting and changing in record time

The job memory enables rapid setup

For all stored orders, motion profiles and positions are quickly retrieved and executed precisely and automatically by servo drive technology. The most important adjustments, such as cutting force, can be made on the fly. The cartridge system of the stripping unit enables offline preparation, reducing changeover times to a minimum.

Leader in wide web flexo. Eight clear benefits.

Efficiency

36,000
90%
4
90%

600 m/min or 36,000 sh/h maximum speed.

Saves more than 90 percent of changeover substrate costs compared to sheetfed machines.

4 billion die-cut blanks per year.

90 percent possible machine availability.

Sustainability

0 seconds changeover downtime.

Less than 10 meters of waste per job change.

The combination of Boardmaster and Intellimatch reduces the substrate and ink consumption during start-up and job changes by up to 90 percent.

20 percent in energy savings with the use of our hot-air dryers.

0 sec
10 m
90%
20%

A photograph of two men in an office setting. The man in the foreground is wearing glasses and a light blue button-down shirt, smiling at the camera. The man in the background is older, with a beard, wearing a brown jacket over a light blue shirt, also smiling. They are sitting at a desk.

How can we help you? Get in touch with us.

We hope that this brochure will inspire you. There is more we can tell you about how we could make your printing business more efficient and profitable.

If you are interested in the **Boardmaster** or would like to learn more about what we can offer, feel free to contact us. We're only ever an e-mail or phone call away.

Reach us by email

➔ contact@heidelberg.com

Use the contact form

➔ heidelberg.com/info

Please find the phone numbers of your local sales organization here:

➔ heidelberg.com/contact



Publishing information

Heidelberger Druckmaschinen AG
Kurfuersten-Anlage 52 – 60
69115 Heidelberg
Germany
Phone +49 6221 92-00
Fax +49 6221 92-6999
contact@heidelberg.com
Further details at:
heidelberg.com

Production facility

Heidelberg Web Carton Converting GmbH
Am Forst 17
92637 Weiden in der Oberpfalz
Germany
Phone + 49 961 39393
contact@heidelberg.com
Further details at:
heidelberg.com/en/web-carton-converting

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