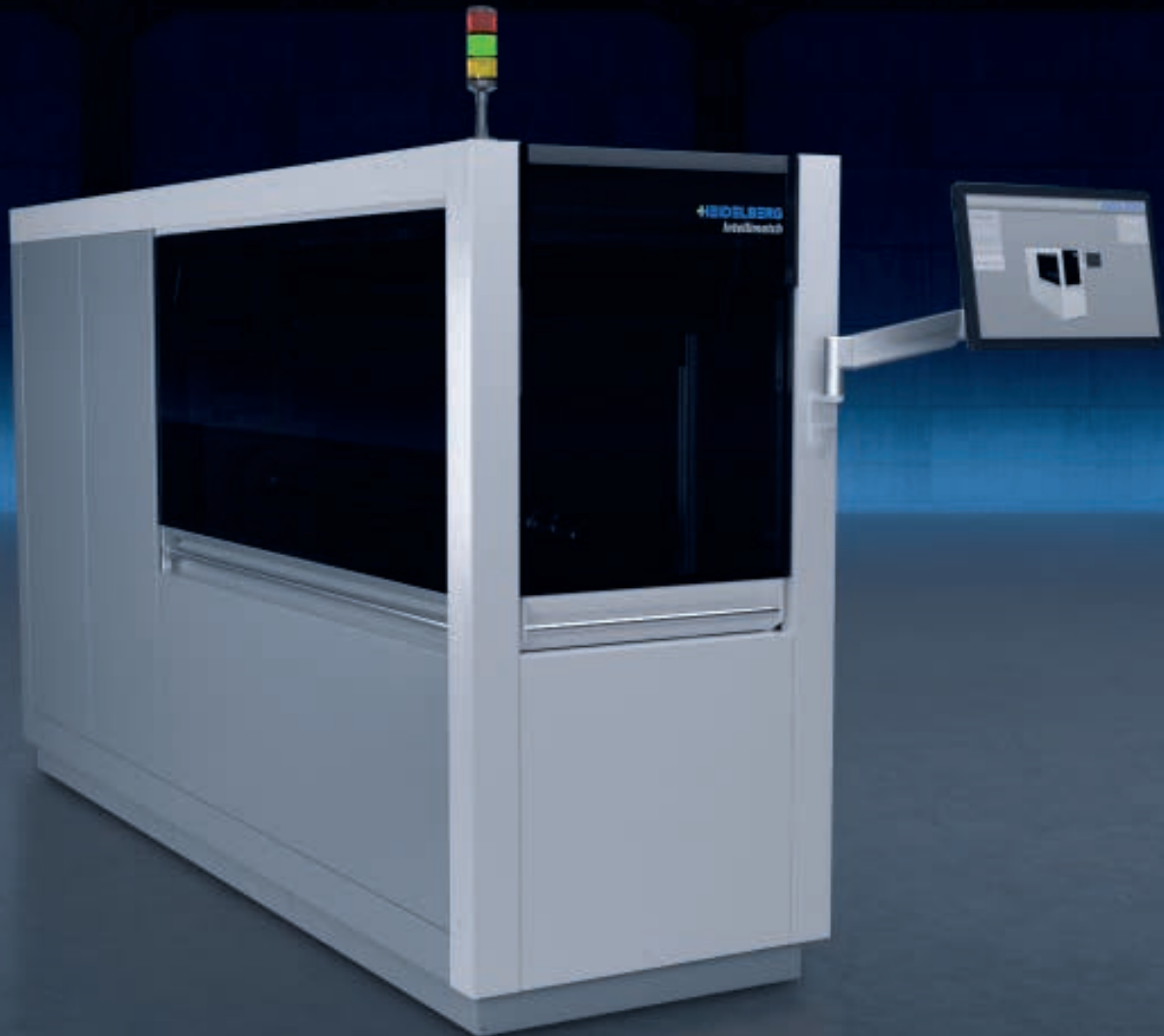


Unprecedented precision.
Intellimatch.



Embracing innovation. Intellimatch by HEIDELBERG.

Nonstop production in flexo printing based on artificial intelligence (AI) will buy you up to an entire extra shift of production per year.

It's all possible with the cutting-edge offline sleeve and plate scanner Intellimatch, that measures and analyses flexo printing plates before they are mounted in the machine, the Boardmaster®. All settings are adjusted based on the scanned information before the next job's production begins.

That's how job changeovers are completed with the push of a single button at full production speed. It increases the operator's productivity and meets the industry's growing demand for sustainable production and cost reduction.

Aside from making the advantages of digitalization now also available to flexo printing, Intellimatch minimizes the potential for mistakes, eliminates downtimes for job changeovers and delivers unprecedented flexo print quality.

The combination of Boardmaster and Intellimatch revolutionizes high-volume packaging.



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AUTOMATION

Automatic set-up. Be ready in seconds.

Data sets all press parameters automatically saving time and substrate consuming press preparation.

When scanning the flexo sleeves via a contactless camera, Intellimatch detects plate mounting errors, out-of-round or contaminated print sleeves. All this information is converted into digital data and saved in a data matrix code. This data is accessible for analysis through software from HEIDELBERG® or external databases and is the basis to draw conclusions to continuously optimize productivity.

As Intellimatch records all press setting and quality parameters before the sleeves even enter the printing press, jobs are changed with zero changeover downtime and consistent quality is ensured.



Features providing unprecedented efficiency.

Quality

Cameras with over 40 mio. measuring points

The Intellimatch scanner provides consistent quality for all print jobs without operator interference. Before the print sleeves are even inserted in the print unit, it detects plate mounting errors, out-of-round print sleeves, or any other debris.

Automation

Datamatrix code

A unique identifier, the datamatrix code, on the sleeves ensures seamless integration, allowing Boardmaster to retrieve all print-relevant data from a server or cloud, streamlining the printing process with unprecedented efficiency and precision.



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Increase your profit. Eliminate errors.

One button operation in flexo printing: Intellimatch prepares every aspect of a job without operator interference.

Data autonomously adjusts and prepares the press, eliminating time consuming and costly manual adjustments while ensuring consistent quality, regardless of operator experience. It also streamlines repeat orders, saves resources, and makes the machine available for production rather than for preparation.

The seamless integration of Intellimatch and Boardmaster enables job changes at the push of a button, without any downtime and at speeds of 600 meters/minute (36,000 sh/h in format 7) while also saving up to 90 percent of waste. Machine set-up time is minimized, while machine uptime is maximized.

New standards in cost-efficient substrate management, significantly less energy consumption, reduced CO₂ footprint, intuitive operation, and seamless functionality lead to efficiency and precision unprecedented in flexo printing.

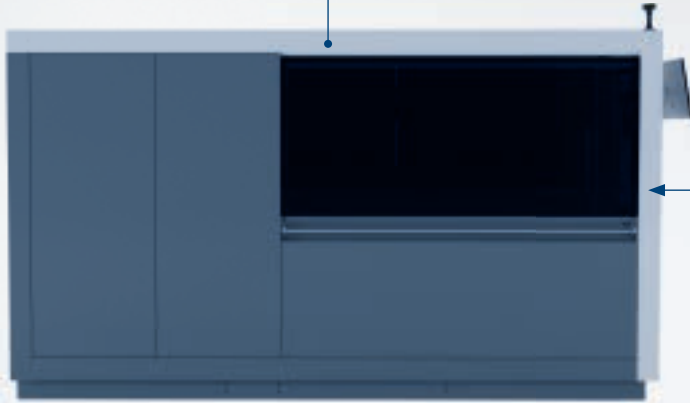


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1

Preparing

The mounted printing plates ready to scan are inserted in the **Intellimatch plate and sleeve scanner**.



2

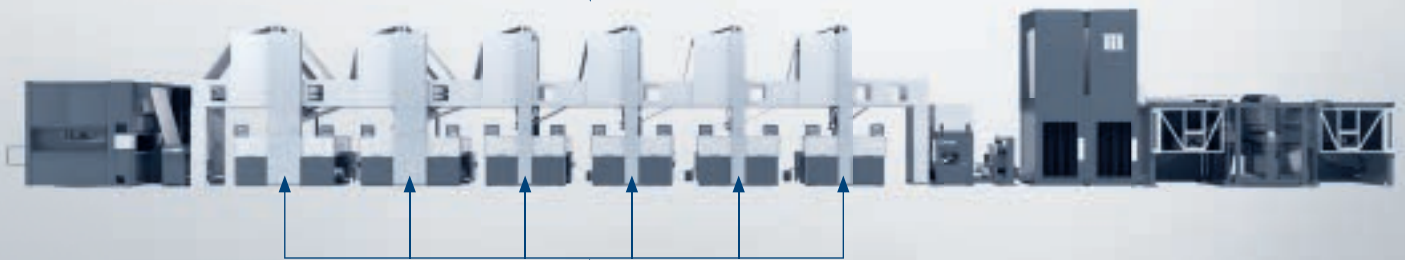
Scanning

The integrated **laser camera** precisely measures the printing plate topography with **over 40 mio. measuring points**.



Data transmitting

All **relevant plate information** is translated into press settings and sent to data storage.



4

Loading

Already **scanned plates** loaded into inactive printing units. Machine retrieves set-up data automatically from data storage.

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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