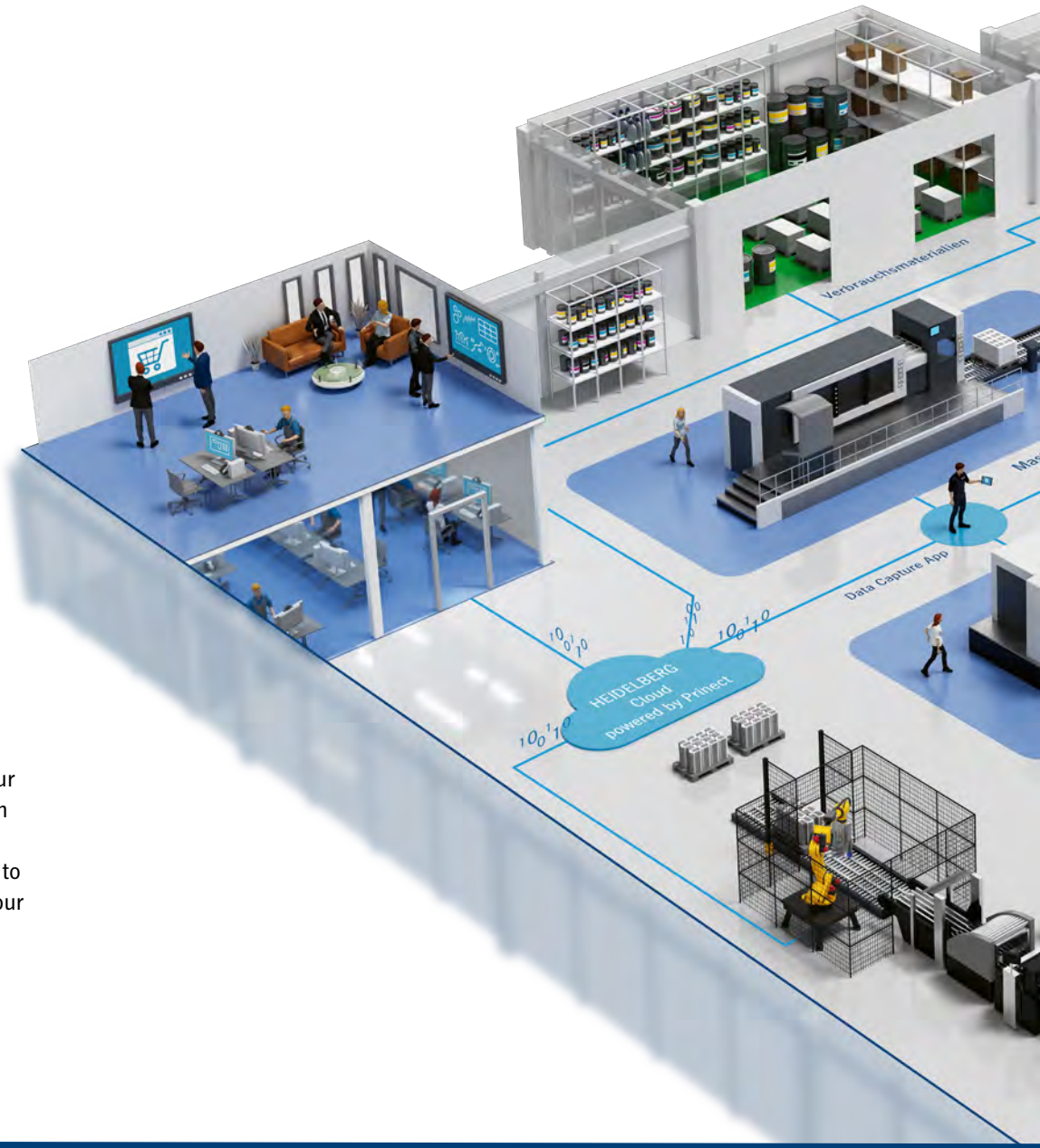
HEIDELBERG

Die-cutting & embossing made easy.
Quality that impresses.

Connected. Integrated. Future-proof.
HEIDELBERG Ecosystem.

Intelligent integration, end-to-end processes, and smart automation create the conditions for high-performance postpress. With HEIDELBERG®, efficient, stable, and scalable end-of-line solutions for die-cutting and embossing are created.

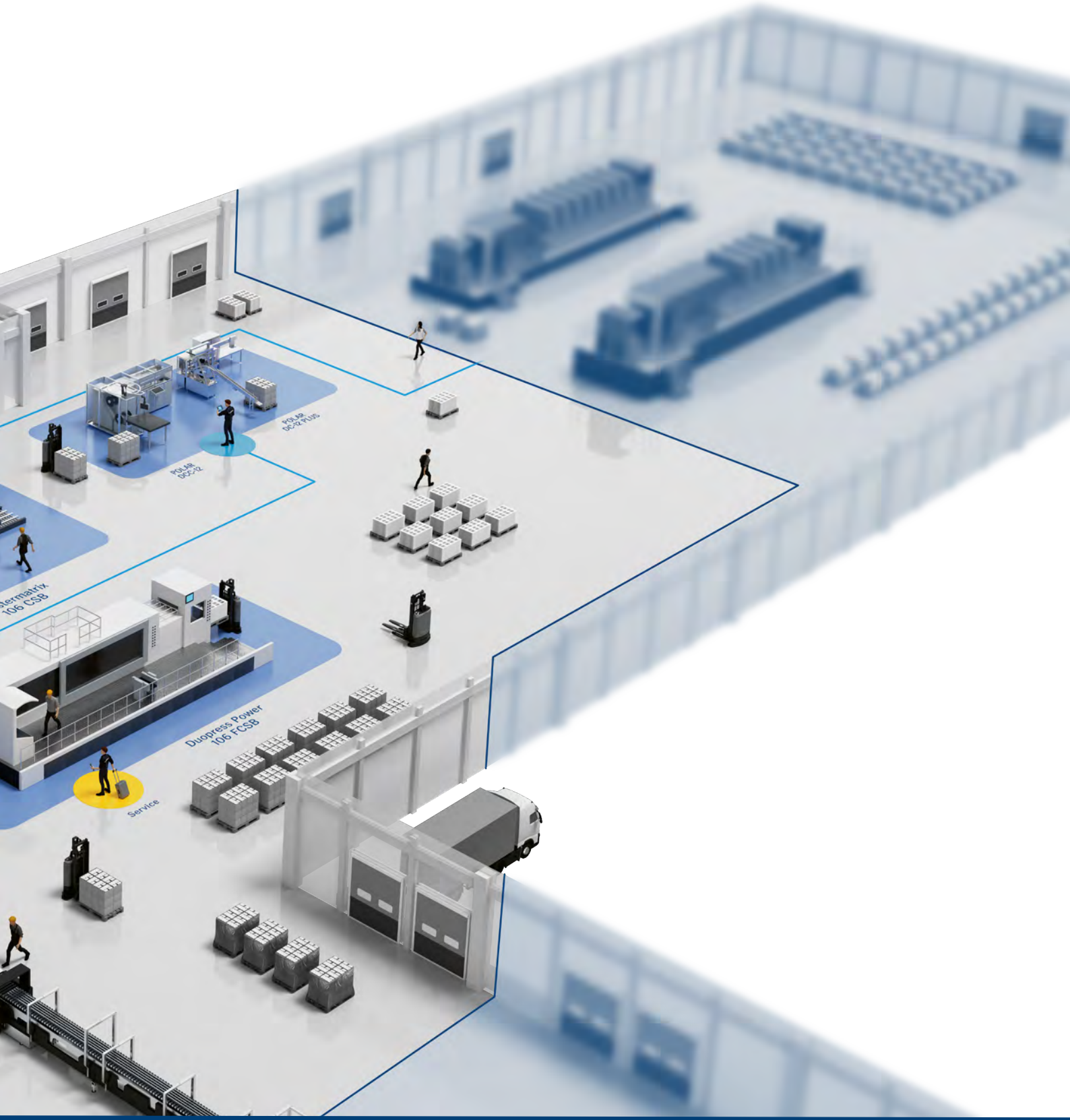


HEIDELBERG supplies not only the machines you rely on in your print production, but also its own Saphira® consumables, tested and harmonized to one another to maximize the performance of your machines.

The HEIDELBERG Ecosystem.
More value around the machine.

HEIDELBERG takes a holistic view of postpress.
The ecosystem comprises far more than machines.

Everything interlocks – from the first folding carton through finishing to labels.



Perfectly integrated. Down to the last step.
Die-cutting, hot foil stamping, and embossing machines and digital services form a continuous system at HEIDELBERG – not a collection of individual components,but an intelligently networked workflow. From sheetfed die-cutters and hot foil stamping machines to label die-cutting machines: All modules are matched to one another, automated, and linked by data.
The result is an integrated postpress workflow – efficient, transparent, and reproducible.

Maximum productivity.
9,000 sheets per hour with the Mastermatrix 106 CSB – ideal for large runs

Perfectly separated blanks
Promatrix 106 CSB with pallet logistics and precise sheet alignment

Large-format capable
Promatrix 145 CSB is the ideal die-cutter for large formats

From commercial to packaging
Easymatrix 106 C/CS – the easy entry into folding carton production

Die-cutting to perfection.
Sheetfed die-cutters for folding carton production.

The Professional and Peak Performance die-cutters set standards in industrial folding carton converting. Whether high speed, optimized makeready processes, or large-format applications – these machines deliver maximum efficiency, precision, and future-proof performance for demanding packaging production.

Maximum production speed of up to **9,000** sheets per hour for maximum productivity and short delivery times.

Optimized makeready processes: QuickSet Device, EasyRake, MasterSet, and quick-lock systems for easy operation and a fast production start.

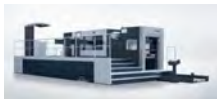
High efficiency through proven non-stop systems, pallet logistics for long runs, and software integration for paperless production **ensures future-proof performance.**

Precise alignment thanks to the optical register system MasterSet for ideal **register quality** on every sheet, even at top speed.

Intuitive touchscreens and well-designed quick-lock systems for **ergonomic operation,** which increases operator comfort and boosts productivity.

Large-format processing up to **1,450 mm width** enables the production of long runs and large folding cartons.

heidelberg.com/die-cutting

	Format	Speed	Material thickness	Application examples
Mastermatrix 106 CSB 	Max. 760 × 1,060 mm (29.92 × 41.73 in) Min. 350 × 400 mm (13.78 × 15.75 in)	Up to 9,000 sph	Paper: from 90 gsm Board: up to 2,000 gsm Corrugated: 2 mm/3.2 mm (0.079 in/ 0.126 in)	Pharmaceutical packaging, food and tobacco cartons, cosmetics and spirits packaging
Promatrix 106 CS/CSB	Max. 760 × 1,060 mm (29.92 × 41.738 in) Min. 300 × 350 mm/350 × 400 mm (11.81 × 13.78/ 13.78 × 15.75 in)	Up to 8,000 sph	Paper: 90 gsm Board: up to 2,000 gsm Corrugated: 2 mm/3.2 mm/4 mm (0.079 in/ 0.126 in/ 0.157 in)	Packaging for personal care products, perfume, household goods, and food
Promatrix 145 CS/CSB	Max. 1,060 × 1,450 mm (41.73 × 57.09 in) Min. 450 × 580 mm (17.72 × 22.83 in)	Up to 7,000 (CS)/ 6,500 (CSB) sph	Paper: 90 gsm Board: up to 2,000 gsm Corrugated: 2 mm/4 mm (0.079 in/ 0.157 in)	Packaging for food, multimedia devices, household appliances, premium spirits, and beer carriers
Easymatrix 106 C/CS	Max. 750 × 1,060 mm (29.53 × 41.73 in) Min. 360 × 400 mm/300 × 350 mm (14.17 × 15.75 in/11.81 × 13.78 in)	Up to 7,700 sph	Paper: 90 gsm Board: up to 2,000 gsm Corrugated: 4 mm (0.157 in)	Calendars, business cards, invitations, forms, and small folding carton series

Premium finishing
Promatrix 106 FC offers hot foil stamping and hologram options for high-quality packaging

Four processes in one pass
Duopress 106 FCSB combines embossing, die-cutting, stripping, and blanking – without register errors

7,000 sheets per hour and quick change
Duopress Power 106 FCSB increases efficiency with new gripper technology and automated makeready

Productive finishing.
Hot foil stamping machines for folding carton production.

The Professional and Peak Performance Class hot foil stamping machines combine the highest finishing quality with maximum productivity. Whether classic embossing, hologram stamping, or fully automated processing in a single pass – these machines are the answer to demanding packaging designs and industrial efficiency.

Hot foil stamping with up to 20 heating zones enables precise metallic effects and textured finishes.

Hologram stamping expands the design spectrum for premium packaging, provides anti-counterfeiting features, and increases brand value with appealing effects.

Perfection in one process: embossing, die-cutting, stripping, and blanking in a single pass for the highest quality and unmatched efficiency – reduces makeready times and sources of error.

Digital foil control enables optimal material utilization and easy repeatability.

Quick-change systems such as Chase Changer and central tool locking significantly shorten changeover times.

Modular expandability with non-stop feeders, rewinders, and logistics systems makes you future-proof.

heidelberg.com/hot-foiling

	Format	Speed	Cutting pressure	Heating zones/ temperature
Promatrix 106 FC	Max. 760 × 1,060 mm (29.92 × 41.73 in) Min. 300 × 350 mm (11.81 × 13.78 in)	Up to 7,500 sph	300 t	20 zones/40 to 180 °C (104–356 °F)
Duopress 106 FC/FCS/FCSB	Max. 760 × 1,060 mm (29.92 × 41.73 in) Min. 350 × 400 mm (13.78 × 15.75 in)	Up to 6,000 sph	250 t	20 zones/40 to 180 °C (104–356 °F)
Duopress Power 106 FCSB	Max. 760 × 1,060 mm (29.92 × 41.73 in) Min. 350 × 400 mm (13.78 × 15.75 in)	Up to 7,000 sph	260 t	20 zones/40 to 180 °C (104–356 °F)

Cost-effective entry.
Die-cutting and embossing with strong performance.

The Value Line offers reliable performance at a particularly attractive price-performance ratio. Whether die-cutting, stripping, or hot foil stamping – these machines are the ideal choice for a cost-effective entry into packaging finishing. Compact, efficient, and versatile.

Ecocut 106 CS

The Ecocut 106 CS is the **cost-effective entry-level solution** for **die-cutting and stripping** in **commercial, packaging, and label printing**. The stripping station removes die-cut waste, reduces manual work steps, ensures clean production results, and enables efficient, productive operation.

Highlights

- Motorized cutting pressure adjustment
- Integrated stripping station
- Non-stop feeder and delivery system
- Side lays on operator and drive side

Technical data

Format	Max. 760 × 1,060 mm, min. 360 × 450 mm (29.92 × 41.73 in), (14.17 × 17.72 in)
Speed	Up to 7,500 sph
Cutting pressure	300 t
Material	Paper from 90 gsm; corrugated board up to 4 mm (0.157 in); board up to 2,000 gsm

Ecocut 130/170 CS

The Ecocut 130/170 CS is the **cost-effective solution** for the 96 × 130 cm and 126 × 170 cm format classes for **die-cutting and stripping** corrugated cardboard and laminated cardboard. The integrated stripping station reliably removes die-cut waste, reduces manual work steps, and ensures high product quality.

Highlights

- Integrated gripper edge removal
- Automation with pre-feeder and breaker unit for reduced staffing
- Delivery logistics

Technical data

Format	Ecocut 130 CS 960 × 1,300 mm (37.80 × 51.18 in) 450 × 550 mm (17.72 × 21.65 in)	Ecocut 170 CS 1,260 × 1,700 mm (49.61 × 66.93 in) 450 × 650 mm (17.72 × 25.59 in)
Speed	6,000 sph	6,000 sph
Cutting pressure	250 t	400 t
Material	1.0 – 5.0 mm (0.039 – 0.197 in)	1.0 – 8.5 mm (0.039 – 0.335 in)

Learn more about the Value Line die-cutting and embossing machines here:
heidelberg.com/die-cutting

Ecofoil 106 FC

The Ecofoil 106 FC is the **cost-effective solution** for **hot foil stamping.** It combines **die-cutting and embossing** and offers up to 20 heating zones for **precise metallic effects.** Ideal for high-quality packaging with efficient use of material.

Highlights

- 3 – 6 longitudinal and 1 – 2 transverse foil shafts
- Hot foil computer system
- Telescopic foil feed

Technical data

Format	Max. 760 × 1,060 mm, min. 360 × 450 mm (29.92 × 41.73 in), (14.17 × 17.72 in)
Speed	Up to 7,500 sph
Cutting pressure	300 t
Heating zones	20, temperature up to 180 °C (up to 356 °F)

Easymatrix 106 FC

The Easymatrix 106 FC extends the Easymatrix 106 C/CS with a **hot foil unit.** It offers flexible foil guidance and enables high-quality **embossing or die-cutting** – ideal for cosmetics, confectionery, and label applications.

Highlights

- Separate computer system for foil control
- Telescopic foil feed from the operator side
- Processing from paper (90 g/m²) to corrugated board (4 mm)
- Combined die-cutting and embossing function

Technical data

Format	Max. 750 × 1,060 mm, min. 360 × 400 mm (29.53 × 41.73 in), (14.17 × 15.75 in)
Speed	Up to 7,500 sph
Cutting pressure	260 t
Heating zones	20, temperature up to 180 °C (up to 356 °F)

Learn more about the entry-level hot foil stamping machines here:
heidelberg.com/hot-foiling

960 packs/hr
with one operator
POLAR DC-11 delivers maximum efficiency with minimal staffing

1,440 packs/hr + two-up
POLAR DC-12 PLUS is the most powerful system for industrial label production

25% more productivity
POLAR DCC-12 with innovative controls and remote function for digital workflows

Smart automation.
POLAR label die-cutting machines.

The POLAR® label die-cutting machines of the Industrial Line stand for automated label production at the highest level. With intelligent controls, minimal makeready times, and maximum output, they are the ideal choice for industrial applications that demand precision, speed, and digital integration.

Highest output of up to 1,440 packs per hour ensures maximum capacity utilization with minimal staffing.

Digital control systems enable remote service, diagnostics, and **integration** into modern workflows.

Makeready times as short as 15 minutes thanks to the patented OptiChange system.

Precise die-cutting and cutting quality using the puncture or counter-pressure principle by fixing the material in place.

Flexible label sizes and formats for a wide range of requirements – even with compressible materials.

Modular expandability with pre-cutting machine and automatic feeding for **end-to-end automation**.

	Output	**Label sizes**	**Highlights**	**Operators required**
POLAR DC-11	Up to 960 packs/hr	Label size: 20 × 40 to 170 × 210 mm (0.79 × 1.57 to 6.69 × 8.27 in) Die-cut size: 16 × 36 to 166 × 206 mm (0.63 × 1.42 to 6.54 × 8.11 in)	OnePunchRegister, ultrasonic banding, OptiChange	1 operator
POLAR DC-12 PLUS	Up to 1,440 packs/hr	**Single-up** Label size: 20 × 40 to 170 × 210 mm (0.79 × 1.57 to 6.69 × 8.27 in) Die-cut size: 16 × 36 to 166 × 206 mm (0.63 × 1.42 to 6.54 × 8.11 in) **Two-up** Label size: 20 × 40 to 120 × 120 mm (0.79 × 1.57 to 4.72 × 4.72 in) Die-cut size: 16 × 36 to 116 × 116 mm (0.63 × 1.42 to 4.57 × 4.57 in)	Two-up, color display, OnePunchRegister, ultrasonic banding, OptiChange, touchscreen, remote service, MDC/MIS-ready	1 operator
POLAR DCC-12	Up to 600 packs/hr	Label size: 50 × 50 to 170 × 250 mm (1.97 × 1.97 to 6.69 × 9.84 in) Die-cut size: 46 × 46 to 166 × 246 mm (1.81 × 1.81 to 6.54 × 9.69 in)	Counter-pressure principle, touchscreen, remote service, MDC/MIS-ready, OptiChange, OnePunchRegister	1 operator

Efficient and economical solutions. **Systems for label processing and blanking.**

The ROI Line stands for economical solutions with high performance and automation – ideal for companies that want to make their postpress more efficient. Whether label die-cutting, rotary die-cutting, or automated blanking: these machines deliver reliable performance for short to medium runs with a manageable investment.

Stand-alone die-cutter DC-M

Thanks to the **puncture principle** , the POLAR stand-alone die-cutter DC-M is suitable for all **common label papers**. Easy setup, fast tool changes, and high die-cutting accuracy make it ideal for **short to medium runs** with manual loading.

Highlights

- Alternate-frame system for off-machine setup
- OnePunchRegister for precise alignment
- Light barrier to monitor the loading height
- Tool-free format setting

Technical data

Label size	20 × 40 to 170 × 210 mm (0.79 × 1.57 to 6.69 × 8.27 in)
Die-cut size	16 × 36 to 166 × 206 mm (0.63 × 1.42 to 6.54 × 8.11 in)
Output	Up to 10 packs/min
Loading height	35 – 125 mm (1.38 – 4.92 in)

Stand-alone die-cutter DCC-M

The POLAR stand-alone die-cutter DCC-M works with **counter-pressure** and is ideal for **compressible materials** such as OPP films. It offers the highest die-cutting accuracy and minimal material loss – perfect for **demanding label shapes.**

Highlights

- OptiChange for fast job changes
- Counter-pressure punch for precise die-cutting
- Shuttle system for pack removal
- Die-cut waste extraction with blowing air

Technical data

Label size	50 × 50 to 170 × 250 mm (1.97 × 1.97 to 6.69 × 9.84 in)
Die-cut size	46 × 46 to 166 × 246 mm (1.81 × 1.81 to 6.54 × 9.69 in)
Output	Up to 6 packs/min
Loading height	35 – 125 mm (1.38 – 4.92 in)

Speedmaster XL 106-D

The Speedmaster® XL 106-D is the **rotary die-cutter** for **in-mold labels.** With up to **15,000** sheets per hour and high cutting quality, it is ideal for industrial postpress directly after printing.

Highlights

- Preset Plus feeder and delivery
- Anti-static equipment and special sheet travel elements
- Compact design with a small footprint
- Low tooling costs and short makeready times

Technical data

Format	340 × 480 to 750 × 1,060 mm 13.39 × 18.90 to 29.53 × 41.73 in)
Material thickness	0.03 – 0.3 mm/film: 50 – 80 µm (0.0012 – 0.0118 in/ 0.0020 – 0.0031 in)
Production speed	6,000 – 10,000 sph
Setup time	Approx. 15 minutes

Kawahara TXS-1100

The Kawahara TXS-1100 is the **automated blanking system** for **labels** and **folding cartons.** With patented **Pin-Bed technology** and **tool-free blank separation,** it delivers high quality and productivity.

Highlights

- Fast processing of pre-die-cut sheets
- No job-specific tooling costs
- Touchscreen with an intuitive operating concept
- DustPro extraction system for removing paper dust

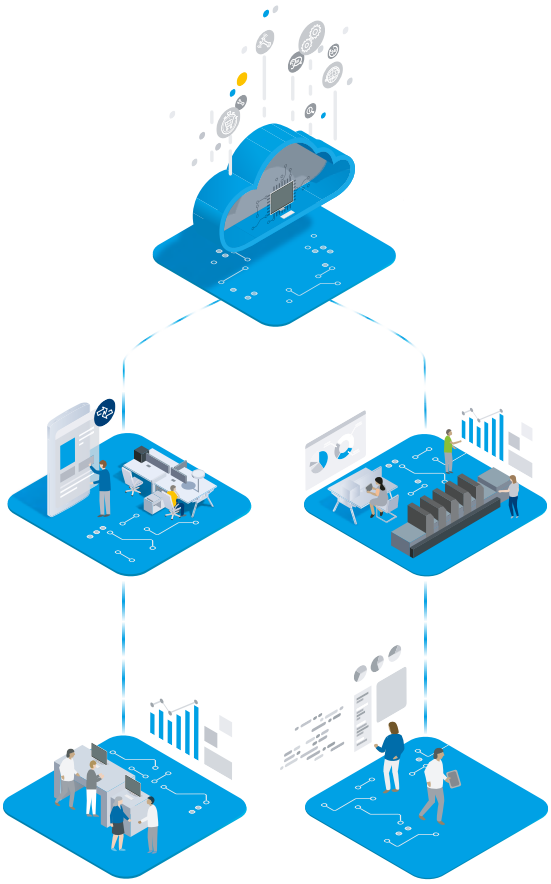
Technical data

Pile height	Up to 80 mm (3.15 in)
Materials processed	Cartonboard, plastic
Blanking cycle	Approx. 30 seconds
Operation	1 person

Prinect Workflow.
Digitalization in postpress.

Automation, integration, and data intelligence are decisive success factors – in postpress too. Prinect® Production and the HEIDELBERG Portal offer powerful tools for the digitalization, integration, and automation of postpress processes. They create transparency, increase process control, and make optimization potential visible along the entire production workflow.

Prinect Production
Prinect Production takes the requirements of postpress into account as early as job preparation. Job and production data are managed centrally and form the basis for integrated production processes. Once connected, the relevant information is available as needed.



Print Shop Analytics
With the Insights App from Print Shop Analytics, you can keep an eye on the key performance and production indicators of your postpress machines at all times. Individually configurable dashboards create transparency, while automatic flagging at defined limits enables rapid intervention. This allows optimization potential to be identified early and used in a targeted way.

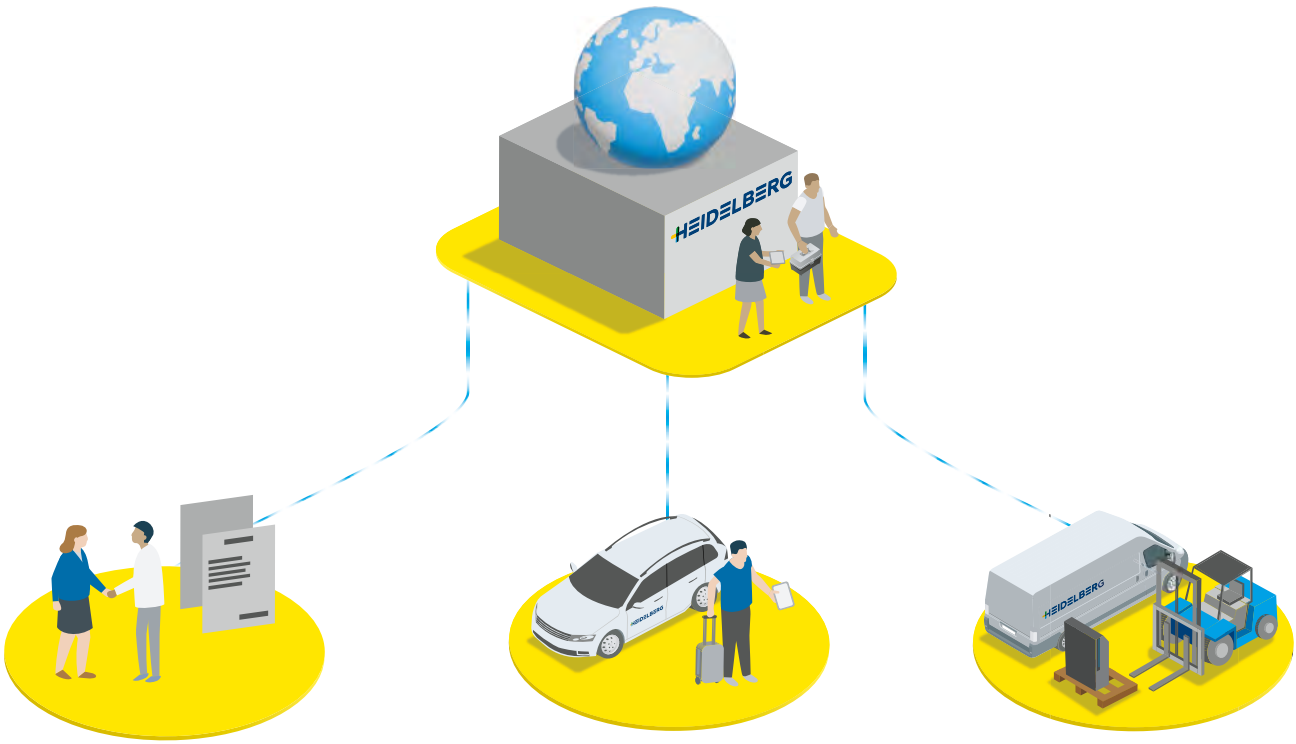
Prinect Signa Station
Efficient postpress begins in prepress. Prinect Signa® Station automatically places the relevant marks for setup and quality control. MasterSet marks and glue flap codes support precise workflows, reduce makeready times, and increase transparency in the production process.

Data Capture App
Use the Data Capture App to capture operational data for each work step directly in the production environment, even on offline machines. In combination with optional counter boxes, production volumes are automatically documented. This creates a reliable data foundation for well-founded analyses as well as the step-by-step digitization and automation of downstream processing.

heidelberg.com/prinect

HEIDELBERG Service.
Your constant along the entire value chain.

Folding carton and label production places high demands on process reliability, efficiency, and consistent quality – especially in postpress. With HEIDELBERG Services*, you benefit from comprehensive expertise, hands-on support, and a global service network. This lays the foundation for stable processes, high equipment availability, and the sustainable optimization of your postpress processes.



Peak performance included
Smooth workflows at maximum productivity: remote services, fast repairs, and individually tailored service contracts ensure predictable costs and the highest availability. Additional training enables operators to optimize machine setup for various layouts, helping them unlock the machine's full potential and maximize productivity.

Maintenance instead of downtime
Regular maintenance and Preventive Packages minimize risks, reduce unplanned downtime, and ensure consistently high-quality production as well as a longer service life.

Ready for the future
Original parts available 24/7 from four logistics centers, 2,300 experienced service staff, digital services, and precisely matched retrofits form the worldwide basis for the long-term performance and continuous optimization of your machines and production.

* Service offering varies depending on equipment

heidelberg.com/en/service

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MK Masterwork

business partner of HEIDELBERG

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