Equipment

Technical information
Heidelberg CCS 510.
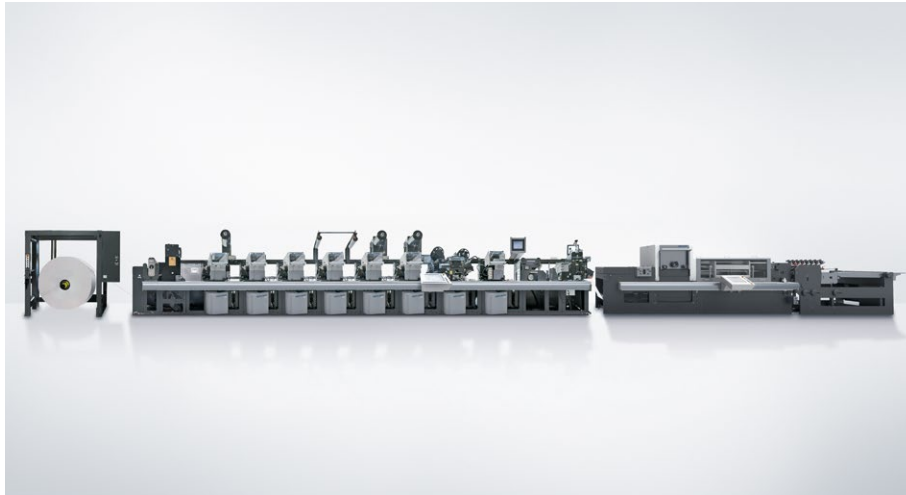
Unlimited flexibility and cost effectiveness for finishing

A simple workflow is the key to cost-effective production and highest value. Let the Heidelberg CCS 510 narrow-web folding carton system open up completely new perspectives.

The Heidelberg CCS 510 is designed for straight-forward job flows and high added value. Thanks to fast changes of ink, tool or the entire process, the Heidelberg CCS 510 is the perfect solution for producing folding cartons in a single pass from roll to finished die-cut blanks.

Based on a platform concept, the Heidelberg CCS 510 enables a job-specific machine configuration. Flexible plug-in modules for screen printing, hot foil stamping, cold foil application and laminating allow you to selectively apply different finishing processes for attractive and particularly reliable products. Short setup and changeover times are another highlight of the CCS which meet highest efficiency requirements for short and medium run lengths due to the usage of servo-controlled drive technology and user-friendly sleeve systems. In addition, low makeready waste due to the short web path enhances the economic viability of the CCS.

For both, water-based and UV inks, a Heidelberg CCS is always dedicated to your requirements. Within the Heidelberg CCS we can install one or both ink systems in combination to meet your individual market needs.

HEIDELBERG

Heidelberg CCS 510.
One webfed press to handle all your print jobs.

Technical data

The Compact Converting System Heidelberg CCS allows a wide range of applications for the production of complex, highly finished products such as folding cartons, blisters, blister packs, display packaging, cups and other paperboard products.

Heidelberg CCS	CCS 510
Max. machine speed	150 m/min. (492 ft/min.)
Max. print width	510 mm (20 in)
Repeat range	304.8 – 660.4 mm (12 – 26 in)
Running direction	left –> right
Substrate	
Max. material width	516 mm (20.3 in)
Max. material weight	450 g/m² (92 lbs/MSF)
Max. material thickness	600 µm (24 pt)
Available substrates	Paper, carton, further on request

Printing methods	HiDef flexo printing™, backside printing (optional)
Optional value-adding methods	Laminating, hot foil stamping, cold foiling, screen printing, rotogravure printing, rotary converting (creasing, embossing, die-cutting)
Ink system	UV inks, water-based inks, solvent-based inks (only gravure printing)
Drying system	UV curing, hot-air drying
Machine configurations	Roll to roll, roll to flatbed die-cutter Heidelberg FSM 510, roll to rotary die-cutter, roll to sheeter, further configurations on request
Optional equipment	Mono unwind, non-stop unwind, corona device, rotary window punching module (slide-in-head), secondary rail system, web turn bar, slitter

Benefit from our long-term experience

Based on our decades of experience in the folding carton business, we even manage the most challenging installations worldwide. In cooperation with you, we will find the customized webfed solution that works perfectly for you.

Sample configurations	Cosmetics & Pharma	Food	Confectionery
Ink system	UV	Water-based & UV	Water-based & UV
Machine speed	80 m/min. (260 ft/min.)	150 m/min. (490 ft/min.)	120 m/min. (390 ft/min.)
Printing units	12	10	10
Value-adding modules	Hot foil stamping Cold foil application Screen printing Inline laminating	Hot foil stamping Inline laminating Rotary window punching + laminating Varnishing module	Hot foil stamping Cold foil application Inline laminating Varnishing module
Drying system	UV curing	Hot-air dryer & UV curing	Hot-air dryer & UV curing