



Technical information

Speedmaster CX 102

With the Speedmaster® CX 102, we offer you a press concept that combines proven reliability with a new modern operating concept.

The Speedmaster CX 102 is the universal straight-printing press in 70 cm × 100 cm format (27.56 in × 39.37 in). With speeds of up to 16,500 sheets per hour, there are very few challenges in commercial, label, and packaging printing that it cannot handle, and no customer requirements that it cannot meet. The perfect interaction of all components enables the Speedmaster CX 102 to easily process all materials from lightweight paper through to rigid cardboard.

Experience undreamt-of performance. With Push to Stop, the efficiency of print production (OEE) can be raised to a level that has been difficult to achieve in the past. The new Intellistart® 3 assistance system revolutionizes your job changes with comprehensive, time-optimized automation.

Push to Stop and the implementation of artificial intelligence offer you a unique user experience (UX): autonomous and navigated printing across the entire printing process. The new Intelliline can be used to visualize the respective machine states.

Machine operation is now easier than ever – the new Heidelberg® User Experience on the drupa 2020 generation of the Speedmaster will inspire you.

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For details on the emissions of the Speedmaster CX 102, please visit us at heidelberg.com/emissiondetails

Subject to technical modifications and other changes.



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Technical data Speedmaster CX 102

Printing stock	
Max. sheet size	720 mm × 1,020 mm (28.35 in × 40.16 in)
Min. sheet size	340 mm × 480 mm (13.39 in × 18.90 in)
Max. print format	710 mm × 1,020 mm (27.95 in × 40.16 in)
Thickness without auto-non-stop operation of the delivery	0.03 mm – 1.00 mm (0.0012 in – 0.039 in)
Thickness with auto-non-stop operation of the delivery	0.07 mm – 1.00 mm (0.0028 in – 0.039 in)
Gripper margin (thickness < 0.8 mm/0.03 in)	10 mm – 12 mm (0.39 in – 0.47 in)
Gripper margin (thickness > 0.8 mm/0.03 in)	11 mm – 12 mm (0.43 in – 0.47 in)
Print output	
Maximum	16,500 sph
Plate cylinder	
Cylinder undercut	0.12 mm (0.0047 in)
Distance from lead edge of plate to lead edge of print	43 mm/52 mm (1.69 in/2.05 in)
Plates	
Length × width	790 mm × 1,030 mm (31.10 in × 40.55 in)
Thickness	0.20 mm – 0.30 mm (0.0079 in × 0.0118 in)
Blanket cylinder	
Length × width blanket (metal-backed)	840 mm × 1,052 mm (33.07 in × 41.42 in)
Thickness, blanket	1.95 mm (0.0768 in)
Cylinder undercut	2.30 mm (0.0906 in)
Length × width packing sheet	735 mm × 1,030 mm (28.94 in × 40.55 in)

Coating blanket cylinder	
Length × width coating blanket (metal-barred)	800 mm × 1,048 mm (31.50 in × 41.26 in)
Length × width coating plate	780 mm × 1,030 mm (30.71 in × 40.55 in)
Max. coating area	710 mm × 1,020 mm (27.95 in × 40.16 in)
Cylinder undercut	3.20 mm (0.1260 in)
Distance from lead edge of coating plate to lead edge of coating	43 mm (1.69 in)
Pile heights (incl. pile table and pile support plate)	
Preset Plus feeder	1,320 mm (51.97 in)
Preset Plus delivery	1,295 mm (50.98 in)
Elevated press	+ 500 mm (19.69 in)

Sample configuration	
Basis: Speedmaster CX 102-6+L with Preset Plus feeder and Preset Plus delivery with two extension modules	
Number of printing units	6
Number of coating units	1
Length	15.94 m (627.56 in)
Width	3.33 m (131.10 in)
Height	2.15 m (84.65 in)

Technical data subject to job, consumables, substrate, and possibly other factors.



You can find more about the details of your Speedmaster here: heidelberg.com/cx102/machine-comparison