

Technical information

Speedmaster SX 102

The Speedmaster® SX 102 is the perfect, future-proof investment with reliable perfecting in different formats, suitable for all kinds of commercial printers, publishers, and web-to-print print shops.

Experience a high output in both straight printing and perfecting, combined with constant high quality on both sides.

Designed to meet your business needs – the scalability of the Speedmaster SX 102 starts with a well-equipped machine and navigated printing leading up to the Push to Stop functionality with autonomous printing.

Custom order your machine to fit your business in terms of performance, automation, and application. From now on, you can choose between two maximum sheet size options at the Speedmaster SX 102: 720 × 1,020 mm (28.3 × 40.2 inches) or 650 × 940 mm (25.6 × 37 inches) which allows you to save up to 20 % of plate costs.

Innovative technology to the core – with the implementation of artificial intelligence, you can discover a simple and efficient way of printing where digital assistants support operators by reducing manual interventions to a minimum. Plus, our intuitive user interface makes navigation easy, hence simplifying the production and training processes.

Our perfecting machine for your success – this intelligent interplay of automation components with the precision of our unique perfecting and sheet travel technology ensures consistent high quality on both sides, even with very thin substrates, and high output in both straight printing and perfecting.

Publishing information

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

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Technical data Speedmaster SX 102

Printing stock	
Max. sheet size Standard	650 mm × 940 mm (25.59 in × 37.01 in)
With format extension (option)	720 × 1020 mm (28.35 in × 40.16 in)
Min. sheet size (straight printing)	340 mm × 480 mm (13.39 in × 18.90 in)
Min. sheet size (perfecting mode)	400 mm × 480 mm (15.75 in × 18.90 in)
Max. print format Standard	640 mm × 920 mm (25.20 in × 36.22 in)
With format extension (option)	700 mm × 1,020 mm (27.56 in × 40.16 in)
Thickness	0.03 mm – 0.60 mm (0.0012 in – 0.024 in)
Gripper margin	10 mm – 12 mm (0.39 in – 0.47 in)
Print output Speedmaster SX 102	
Maximum	14,000sph
Print output Speedmaster SX 102-10-P	
Maximum	13,000sph
Plate cylinder	
Cylinder undercut	0.12 mm (0.005 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 Standard	721 mm × 930 mm (28.39 in × 36.61 in)
With format extension (option)	790 mm × 1030 mm (31.10 in × 40.55 in)
Thickness with AutoPlate	0.20 mm – 0.30 mm (0.008 in – 0.012 in)
Thickness with AutoPlate Pro	0.24 mm – 0.30 mm (0.009 in – 0.012 in)
Blanket cylinder	
Length × width, blanket (metal-barred)	840 mm × 1,052 mm (33.07 in × 41.42 in)
Thickness	1.95 mm (0.077 in)
Cylinder undercut	2.30 mm (0.091 in)
Length × width, packing sheet	735 mm × 1,030 mm (28.94 in × 40.55 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)
Sample configuration	
Basis: Speedmaster SX 102-8-P with Preset Plus feeder and Preset Plus delivery, without peripherals	
Number of printing units	8
Length	15.95 m (627.95 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/sx102/machine-comparison