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Outstanding performance day after day. With the introduction of the Speedmaster® XL 105 at drupa 2004, a new performance class was launched for industrialized commercial, label and packaging printing. Since then, it has served as the benchmark for production speed, print stability, and output. With over 1,200 installations on the market, it is the only machine in this performance class. The new Speedmaster XL 106 breaks all records in terms of productivity.

The very best. The Speedmaster XL 106 is a logical development of the successful Speedmaster XL 105. The perfect interplay between preset functions, ink presettings, a machine that is designed for maximum performance across the board, and straightforward operation ensures that the Speedmaster XL 106 is the Peak Performance machine in the 70 × 100 (27.56 × 39.37 in) format.

The press delivers 18,000 sheets per hour in both straight and perfecting printing. The Speedmaster XL 106 with perfecting device sets new standards in pioneering technology – a fact underlined by a 20 percent increase in productivity.

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Technical Data Speedmaster XL 106

Printing stock

Max. sheet size	750 mm × 1,060 mm
	(29.53 in × 41.73 in)
Min. sheet size	340 mm × 480 mm
(straight printing)	(13.39 in × 18.90 in)
Min. sheet size of Speedmaster XL 106-P[1]	410 mm × 480 mm
(perfecting mode and straight printing with	(16.14 in × 18.90 in)
18,000 sph option)	
Max. print format	740 mm × 1,050 mm
(straight printing)	(29.13 in × 41.34 in)
Max. print format	730 mm × 1,050 mm
(perfecting mode)	(28.74 in × 41.34 in)
Thickness	0.03 mm – 1.00 mm
(straight presses)	(0.0012 – 0.0394 in)
Thickness	0.03 mm – 0.80 mm
(perfecting presses[2])	(0.0012 in – 0.0315 in)
Gripper margin	11 mm (0.43 in)
	(10 mm – 12 mm)
	(0.39 in – 0.47 in)

Print output Speedmaster XL 106

Maximum	18,000 sph

Print output Speedmaster XL 106-P[1]

Maximum	15,000 sph
Optional	18,000 sph

Plate cylinder

Cylinder undercut	0.10 mm (0.0039 in)
Distance from lead edge of plate to lead edge of print	53 mm (2.09 in)

Plates

Length × width	811 mm × 1,055 mm
	(31.93 in × 41.54 in)
Thickness	0.24 mm – 0.30 mm
	(0.0094 in – 0.0118 in)

Blanket cylinder

Length × width, blanket (metal-backed)	885 mm × 1,077 mm
	(34.84 in × 42.40 in)
Thickness, blanket	1.95 mm (0.0768 in)
Length × width, packing sheet	765 mm × 1,054 mm
	(30.12 in × 41.50 in)
Cylinder undercut	2.30 mm (0.0906 in)

Coating blanket cylinder

Length × width, coating blanket (metal-backed)	828 mm × 1,072 mm
	(32.60 in × 42.20 in)
Length × width, coating plate	819 mm × 1,060 mm
	(32.24 in × 41.73 in)
Max. coating area	740 mm × 1,050 mm
	(29.13 in × 41.34 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)

Sample configuration

Basis: Speedmaster XL 106-6+L with Preset Plus Feeder and Preset Plus Delivery with two delivery extension modules

Number of printing units	6
Number of coating units	1
Length	16.31 m (642.17 in)
Width	3.93 m (154.72 in)
Height	2.08 m (81.89 in)

[1] P stands for press with perfecting device

[2] Maximum flexural strength, measured to DIN 53121, 130 mNm

Technical data can vary according to machine equipment, job, consumables, printing stock and, possibly, other factors.

Equipment Speedmaster XL 106

Equipment	XL 106 4–10	XL 106 4–10+L	XL 106 4–10+L UV	XL 106 4–10+LYYL	XL 106 4–12-P	XL 106 4–12-P+L
Prinect						
Prinect Press Center	•	•	•	•	•	•
Prinect Inpress Control	○	○	○[1]	○[1]	○	○
Prinect Image Control	○	○	○	○	○	○
Prinect Inspection Control	○[1]	○[1]	○[1]	○[1]	○[1]	○[1]
Preset Plus Feeder						
Control panel with glass touchscreen at the feeder and the first printing unit	•	•	•	•	•	•
Foil package	○	○	○	○	○	○
Suction brush for removing dust from the sheets	○	○	○	○	○	○
Printing unit						
Control panel with glass touchscreen	•	•	•	•	•	•
AutoPlate Advanced	•	•	•	•	•	•
AutoPlate XL	○	○	○	○	○	○
Inking unit temperature control	•	•	•	•	•	•
Sheet guidance with AirTransfer System	•	•	•	•	•	•
Hycolor inking unit with short-path inking mode	•	•	•	•	•	•
Program-controlled blanket and impression cylinder washup device	•	•	•	•	•	•
Fully automatic perfecting device (in combination with variable AirTransfer System)	–	–	–	–	•	•
Second washup solution circuit for hybrid presses (UV/conventional)	–	–	○	○	–	–
InkStar	○	○	○	○	○	○
Deep cleaning function	○	○	–	○	○	○

• Standard   ○ Optional   – Not available
[1] On request

UV equipment for Speedmaster XL 106 4-10 colors without coating, Speedmaster XL 106-P, and Speedmaster XL 106-P+L models available on request.

The combination of individual features may differ from country to country.
This list only represents a selection of available features.

Equipment Speedmaster XL 106

Equipment	XL 106 4–10	XL 106 4–10+L	XL 106 4–10+L UV	XL 106 4–10+LYYL	XL 106 4–12-P	XL 106 4–12-P+L
Coating unit						
Control panel with glass touchscreen	–	•	•	•	–	•
Chambered blade system	–	•	•	•	–	•
Multi Loader System	–	○	○	○	–	○
Coating supply unit 550 L	–	•	–	•	–	•
CoatingStar/CoatingStar Compact	–	○	○	○	–	○
Dryer						
DryStar Ink	○	–	–	–	○	–
DryStar Combination	–	○	–	○	–	•
DryStar LE UV	–	–	○	–	–	–
DryStar UV	–	–	○	–	–	–
DryStar Combination UV	–	–	○	○	–	–
Preset Plus Delivery						
CleanStar/CleanStar Compact	○	○	○	○	○	•
Dynamic sheet brake	○	○	○	○	•	•
Control panel with glass touchscreen	•	•	•	•	•	•
PowderStar AP 500	•	•	○	○	–	–
PowderStar AP 500 Duo	–	–	–	–	•	•
Delivery extended by 80 cm (31.50 in)	–	–	–	–	–	–
Delivery extended by 160 cm (62.99 in)	–	•	–	–	–	–
Delivery extended by 240 cm (94.49 in)	–	○	•	•	–	•
Additional equipment options						
Heidelberg Logistics	○	○	○	○	○	○
Elevated press +525 mm/+875 mm (+20.67 in/+34.45 in)	○	○	○	○	○	○
CutStar/FoilStar	○	○	○	○	○	○
Automatic non-stop device at the feeder with Autopile or Autopile Plus	○	○	○	○	○	○
Automatic non-stop device at the delivery	○	○	○	○	○	○

• Standard   ○ Optional   – Not available

UV equipment for Speedmaster XL 106 4-10 colors without coating, Speedmaster XL 106-P, and Speedmaster XL 106-P+L models available on request.

The combination of individual features may differ from country to country.
This list only represents a selection of available features.