Dream big with DreamLabo 5000

DreamLabo 5000

Canon

DreamLabo 5000

Differentiate & deliver premium photo services

Canon DreamLabo 5000 is a highly productive, low maintenance digital photo printing system that produces a diverse range of premium quality photos, giving you multiple opportunities to increase profits.

Supported by the world's largest imaging company, this advanced digital photo printing system opens new revenue streams. It delivers the highest quality, eco-friendly photo prints and boosts productivity with fast technology that's easy and efficient to use and maintain.

Dream come true

With premium quality digital photo prints, the only limit is your imagination. From professional quality photobooks to premium marketing collateral, develop new services, expand your customer base and boost your margins.

Dream quality

With advanced inkjet technology and seven dye-based inks, the colour and detail of DreamLabo 5000 photo prints beat the highest quality achievable with silver halide. Saturated colours, pinpoint accuracy and fine detail definition, print after print.

Planet-friendly photo printing

Thanks to its water-based inks, photo chemical free processing, low water and energy consumption, and minimal waste, DreamLabo 5000 delivers substantial eco benefits compared with silver halide. This gives you a strong new selling point with pro photographers, brand customers and retailers, and gives them a fresh competitive edge with their end customers.

And with DreamLabo 5000's quiet, virtually odourless operation your production environment is far healthier too.
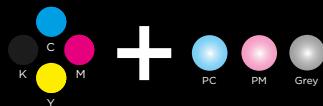
Why not print on art, premium, luxury or speciality papers to add a special touch to products like wedding photobooks, delighting your customers and driving higher margins.

Fine detail definition and accurate ink placement

DreamLabo 5000 uses Canon's FINE (Full-photolithography Inkjet Nozzle Engineering) high-density printhead technology which combines high resolution and high print speeds to meet the most exacting photo printing demands. High-precision jets deliver inks accurately and consistently onto the media. And print position control can be optimised through registration mark monitoring using the printer's built-in high-resolution scanner.

Wide colour gamut and vibrant colours

In addition to CMYK, photo cyan, photo magenta and grey dye-based inks are used to reproduce a wider range of shades and to achieve excellent colour control. With 2,400 dpi, these seven dye-based inks deliver both colour and black-and-white photos with extra smooth gradations and more faithful skin tones. And thanks to the grey ink, you will achieve more stable colour reproduction and less colour cast.

FINE
Full-photolithography Inkjet
Nozzle Engineering

C M Y K + PC PM Grey

Reimagine what's possible and unlock new profit opportunities with **DreamLabo 5000.**

Dream technology

DreamLabo 5000 is easy to use, simple to integrate into existing workflows and needs minimal maintenance. With multiple paper rolls and reserve ink reservoirs, it's engineered for maximum productivity and hassle-free, uninterrupted production.

With the confidence to deliver superior quality, eco-friendly photo prints at speed, you can explore new business and consumer markets and find fresh revenue streams.

Fast one-pass printing to meet any deadline

Seven fixed-line printheads and 2,400 dpi high-density jets rapidly eject large quantities of ink to print in a single pass for greater speed and efficiency. DreamLabo 5000 can produce 6" x 4" (15 x 10 cm) photos at a super-quick rate of around 2,330 prints per hour.

Automatic double-sided printing for more capacity

DreamLabo 5000 features automatic double-sided printing at approximately 1,000 A4 pages an hour – which is especially useful when printing photo books and on-demand marketing collateral.

Quick paper roll and ink tank changeovers for uninterrupted production

Paper is automatically fed from a second roll when the first roll is used up, and the empty roll can be replaced during printing without workflow interruption. Roll widths of between 5" (127 mm) and 12" (305 mm) are supported. An optional paper deck with two additional paper magazines enables longer printing sessions (up to 920 m length) or up to four different sized print jobs. For you that means maximum uptime, with no roll changes. Ink reserve reservoirs also allow ink tanks to be changed during a print run for ease.

Reliable and easy to use so you can always deliver

DreamLabo 5000 is designed for continuous operation, requiring minimal maintenance. With Canon's upfront training support, most parts can be replaced by your own staff, maximising your productive uptime.

DreamLabo 5000

Specifications

Print technology	Inkjet technology
Input	RGB (sRGB / Adobe RGB)
Print resolution	2400 x 1200 dpi
Print size	3.5" x 3.5" ~ 12" x 25" (89 mm x 89 mm ~ 305 mm x 635 mm)
Productivity*	11.69" x 8.27" (297 mm x 210 mm) double-sided approx. 1,000 pages per hour
	11.69" x 8.27" (297 mm x 210 mm) single-sided approx. 1,140 pages per hour
	12" x 25" (305 mm x 635 mm) single-sided approx. 380 pages per hour
	12" x 18" (305 mm x 457 mm) single-sided approx. 525 pages per hour
	6" x 4" (152 mm x 102 mm) single-sided approx. 2,330 pages per hour
Ink	Seven dye-based inks Black, cyan, magenta, yellow, photo cyan, photo magenta, grey
Paper supply	Two rolls loadable
	Four rolls loadable (with optional paper deck)
Sorter	Large-size 10 bins Small-size 10 bins
Installation space	Width: 6,292 mm x Depth: 3,829 mm x Height: 2,090 mm
	Width: 6,987 mm (with optional paper deck)

*Note: The values of productivity are estimated by using Canon's measurement method.

Dimensions and Weight

Dimensions	Width: 3,630 mm x Depth: 1,600 mm x Height: 1,540 mm (with optional paper deck)
Weight	Approx. 2,640 Kg
	Approx. 2,900 Kg (with optional paper deck)

Note: Maximum weights include following components: 7 ink tanks, 7 print heads, 2 or 4 rolls of paper, the back print unit, a wirehead, an ink ribbon, waste ink, humidifying water, and coolant (floor plates are not included).

Environmental

Operating Environments (Temperature/Humidity)	15°C-27°C / 30%-70%
Power Requirements	
Europe	Three-phase 380/400/415V 30A 50Hz x 2 Single-phase 220 - 240V 30A 50Hz x 1
Power Consumption	
When Printing	Approx. 5,500 Wh
OFF	Approx. 50 Wh

Paper Type

Paper type	Name	Length (m)	Weight (gsm)	Thickness (µm)	127	135	152	203	210	254	279	297	305	Total (number)
Glossy type (single-sided)	GP-180RS	240	180	177	•	-	•	-	•	•	-	-	•	5
	GP-285RS	160	276	261	•	•	•	•	•	•	•	•	•	9
Glossy type (double-sided)	GP-205RD	210	204	192	•	-	•	-	•	•	-	-	•	5
	GP-255RD	170	252	237	•	-	•	-	•	•	-	-	•	5
Satin type (double-sided)	ST-180RD	240	185	180	•	-	•	-	•	•	•	•	•	7
Luster type (single-sided)	LS-200RS	200	200	205	-	-	-	-	-	-	-	•	•	2
	LS-260RS	*160	254	242	•	-	•	•	-	•	•	•	-	6
	LS-260RW	*160	254	242	•	-	•	•	-	•	•	•	-	6
Luster type (double-sided)	LS-255RD	170	252	245	•	-	•	•	-	•	•	•	•	7
Matte type (single-sided)	MP-180RS	240	177	176	•	-	•	-	•	•	-	-	•	5
Fine Art type (single-sided)	FA-200RS	100	203	303	-	-	-	-	-	-	-	•	-	1

Note: The thickness and weight should be used for reference purpose only. *Also available with the Canon logo watermark (RW) on the reverse side of the paper.