

# Prints of Extraordinary Beauty

## *Dream Labo 5000*



BEAUTIFUL PRINTS IN RICH, VIVID COLORS  
•  
UNPRECEDENTED ACCURACY AND DETAIL  
•  
FAST AND CONVENIENT WORKFLOW  
•  
BUILT FOR EASE OF OPERATION



# DreamLabo 5000

## Raising the Bar on Print Quality

If your clients are demanding prints of the highest possible visual quality, step up to the Canon DreamLabo 5000 Production Photo Printer. Canon's first-ever inkjet production photo printer delivers vividly beautiful prints that visibly surpass the output of any incumbent technology. Just see for yourself—your clients' photographs will print with more rich, vibrant colors than ever before. Not only will this help commercial labs stand out by offering new levels of print quality, but photographers will excite and delight their clients with even more exquisite results.



### Don't Give Up Speed for Beauty

The DreamLabo 5000 is built for both. Impressive single- and double-sided performance of 2,330 (4" x 6") and 1,180 (8" x 10") pages per hour, respectively, plus continuous operation allow for the changing of inks, paper, and other consumables, without interrupting the print job.



### Unmatched Print Beauty

Seven dye-based inks, 2400-dpi resolution, and Canon proprietary FINE printhead technology combine to create prints of remarkable vividness and clarity.



### Extraordinary Crispness in Both Images and Text

Reclaim fine details lost by other printing technologies, and produce readable text down to very small font.



### Unprecedented Ease of Use

With features like automatic color calibration, onboard humidity control, and nearly odor-free operation, incumbent technologies are a thing of the past.



### Highly Automated Process

Just press the button and go; the DreamLabo 5000 delivers an edge-to-edge, borderless print, cut with precision, then finished and ready for delivery.



### Versatile Capabilities

With eight media options, sizes from 3.5" x 3.5" to 12" x 25", and the ability to print both single- and double-sided output, you can create nearly any photographic product your customers desire.



### Unmatched Canon Innovation

Your success is supported by eight decades of experience conceiving and producing many of the world's most innovative imaging devices, from cameras to printers.



### Superb Color Reproduction

Utilizing the seven dye-based ink color technology allows for the most pure, bright, and vibrant colors available in the photo printing industry today.



### Visualize Fine Details

The DreamLabo 5000 captures an unprecedented level of detail on paper, even with pictures taken at sunset or in low-light conditions.



### Corporate Social Responsibility

The DreamLabo 5000 uses no harmful chemicals and provides virtually odorless operation.



# Unprecedented Quality and Ease of Use: It's a Beautiful Thing



**2400**<sub>dpi</sub>  
Maximum

### Extraordinary, 2400-dpi Resolution

Revolutionary DreamLabo 5000 technology enables high-density inkjets that precisely place large numbers of ink droplets simultaneously to achieve up to 2400-dpi resolution in a single pass.



### Seven Dye-Based Inks for Deeper Shades and Wider Color Gamut

Engineered for optimal color and black-and-white output, the DreamLabo 5000 adds high-quality Photo Cyan, Photo Magenta, and Gray dye-based inks to the CMYK configuration.



### Utilizes FINE Print-Head Technology

Canon's proprietary Full-photolithography Inkjet Nozzle Engineering (FINE) technology optimally combines high resolution and high print speeds to help ensure even and accurate placement of every microscopic ink droplet.



### See More of What's There

The result is bright, vivid, optimally saturated colors that pop right off the page, giving you incredibly realistic skin tones and the deepest, richest blacks you've ever seen.



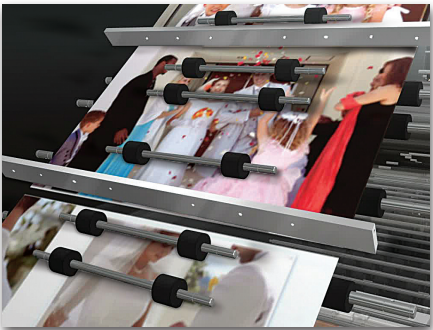
### It's all About the Details.

The exponentially wider color gamut means that subtle nuances of color that might look the same in prints produced by other devices are well differentiated in prints produced by the DreamLabo 5000. And in dark areas, where other devices might just print solid black, DreamLabo 5000 prints can reclaim details often lost within the shadows.



### Automatic Calibration

With the DreamLabo 5000, there's no need for time-consuming, manual calibration—sensors along the paper path ensure consistent color throughout every job. Whether it's the bride's dress or a corporate logo, color will be reliably true, precise, and consistent from the first print to the last.



### Precise Registration

No more manual cutting to craft the perfect print you want; DreamLabo sensors provide accurate registration for precise cuts. And the machine delivers true, edge-to-edge, full-bleed prints on demand.

### On-Board Humidity Control

Changes in internal humidity can be a problem for many high-speed production printers, degrading ink and paper performance and leading many users to purchase stand-alone humidifiers. The DreamLabo 5000 comes standard with its own onboard humidifier, helping to ensure optimum performance at all times.



### Built to Last

The DreamLabo 5000 is precisely engineered and durably constructed inside and out for long-term use. And its output? Full archival quality—tested to retain beauty for up to 300 years using accelerated dark storage tests.\*

### Safer for the Environment—and the User

The odors emanating from many print production machines can be irritating to the breathing of operators, nearby personnel, and even neighboring businesses. In comparison, the DreamLabo 5000 uses no harmful chemicals and provides virtually odorless operation.



\* **Criteria for Estimation:** The permanence above is estimated by using an accelerated dark storage test (ISO 18924).

**Note for printing and displaying photos:** Image permanence estimates may vary, depending on display/storage conditions. Estimate figures shown are the results of simulated, accelerated tests conducted by Canon Inc. and do not represent product guarantees.

**Making your printed images last longer:** To help photos last longer, avoid exposing them to light and external air during storage and display, as this may accelerate color fading.



Revolutionary Product Advantages: Beauty Comes from Within



- 1

High-capacity, 23.5-liter Dual Ink Tank (optional). Maximize your printing efficiency with the ability to change ink tanks without interrupting a print job.
- 2

High-definition photo printing with seven dye-based inks. Canon's FINE print-head technology creates high-resolution output at high printing speeds.
- 3

Touch-screen monitor and control panel allow for easy operator use.
- 4

Double Sorter System: 10 bins each for all your jobs, large or small.
- 5

Double Automatic Cutter allows for precision, edge-to-edge printing.
- 6

Duplex Winder allows for efficient, two-sided printing capability.
- 7

Double Paper Magazine System: 1,006 yards, maximum (252 yd. x 4 rolls) when using the high-capacity optional Paper Deck (included in the fully configured DreamLabo 5000).



# Intelligence, Precision, and Flexibility: Power at Your Fingertips



### Visualize Fine Details

Flying strands of hair, leaves blowing on a tree, or pebbles dotting a walkway, the DreamLabo 5000 enables you to capture an unprecedented level of photographic detail on paper, even with pictures taken at sunset or in low-light conditions.

### Smooth, Even Output

With the DreamLabo 5000, color gradations are as smooth and seamless as possible, eliminating the banding often seen with other technologies. Image static and noise are minimized as well.

### Superb Color Reproduction

The color reproduction capabilities of the DreamLabo 5000 are unlike the output of any production machine you've seen before; you need to see it to believe it! The seven dye-based ink color technology allows for the most pure, bright, and vibrant colors available in the photo printing industry today.



### High-Definition Text

If your current machine struggles with reproducing readable small text, the DreamLabo 5000 can help make that issue a thing of the past. All text is reproduced cleanly, crisply, and clearly. Even 3pt. font—too small to be seen by the naked eye—is rendered with unprecedented sharpness and without a hint of fuzziness.

### Wide Variety of Specialized Media

The recommended GENUINE Canon high-definition photo paper is designed to absorb ink faster and more evenly than regular photo paper, avoiding smudging and maintaining optimal sharpness. Single-sided media is available in several finishes, including Luster, Thick Luster, Glossy, Silky, and Metallic; double-sided media is available in Luster, Glossy, and Satin finishes. Whatever the application, you'll find the ideal paper for your needs.



### Built-In RIP

With the DreamLabo 5000, there's no need for a separate rasterization image process (RIP) engine or server—RIP capability is built right in.

### Plug in Your ICC Profile

The DreamLabo 5000 allows you to plug your ICC profile right into the device, ensuring that every image is true to your preferred color profile.

### Built with a "No Interruptions" Philosophy

The DreamLabo 5000 is strategically engineered to provide optimum productivity and low-maintenance operation. Dual paper rolls allow you to change a roll while the machine continues to operate, and the option for a total of four rolls provides maximum flexibility for running multiple jobs with various paper types. And ink reserve reservoirs allow ink tanks to be changed without work interruption. Additionally, with Certified Maintenance Specialist (CMS) training from Canon, your selected staff members can easily keep the machine operating through almost any contingency.

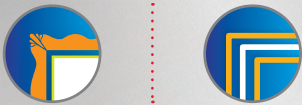


### Integrates into Your Workflow System

Canon can provide a software development kit that helps integrate the operation of the DreamLabo 5000 right into your existing workflow management software. Applications are available for most of the commonly used packages in the commercial photo processing industry.



# So Many Choices: Customization Made Easy



### Premium Albums

Full-page spreads featuring the most vivid, gorgeous photographs that you—or your clients—have ever seen.

### High Speed Printing with Single Pass

With high-quality, double-sided printing capability, you can not only deliver photographs of unprecedented depth and beauty, but you can do it without having to reposition and reinsert the paper, as the DreamLabo 5000 prints each two-sided spread in a single pass.

### Gorgeous Prints

With ultra-high-quality and awesome speed together in one machine, the DreamLabo 5000 can output up to 2,330 brilliant 4" x 6" prints per hour and can print up to 12" x 25" in size.



### Double-Sided Calendars

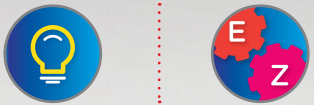
Easily create eye-catching, 12-month calendars in vivid colors that will delight customers all year long.

### High-Quality, Print-On-Demand Marketing Materials

Forget about exorbitant minimum volumes and associated inventory woes. With the high-quality, double-sided printing capabilities of the DreamLabo 5000, you can print just as many brochures or other sales pieces as you need—whether the quantity is one, 100, or 1,000—quickly and cost-effectively, with the highest quality images and most easily readable text possible.

### Let Your Imagination Soar

Posters, greeting cards, school portraits, postcards ... if the job can be enhanced with beautiful, vivid colors, then it's a natural fit for the DreamLabo 5000—and a potentially profitable addition to your product line.



### Extend the Possibilities Even Further

If you want to offer the highest quality, "lay-flat" books available today, add the Canon FlatSpread FS-500 to your DreamLabo 5000 operation. This proprietary, post-press machine attaches clear film hinges directly to double-sided prints produced by the DreamLabo 5000, instantly creating two-page, single-image, panoramic spreads.

### The Most Cost-Effective, Lay-Flat Solution



Canon FlatSpread FS-500

The FlatSpread FS-500 eliminates the need for specialized, costly, prehung sheets by replacing their functionality with inexpensive film hinge tape. Furthermore, with the FS-500, creating lay-flat is no longer a labor-intensive process,

as the machine does all the work in as little as 14 seconds per double-sided spread. And it's available in conjunction with the DreamLabo 5000.



### High Flexibility of Operation

Incumbent technologies using prehung paper make it difficult to customize the desired gutter space, often resulting in frustration and waste of costly materials. With the DreamLabo 5000 and FS-500, just plug in your settings to get the precise results you require. You can control the page flatness of your lay-flat album by setting the width of the hinge slit as you desire, between .02 inch (.5mm) and .08 inch (2.0 mm). And the FS-500 can support more than 20 popular paper sizes, allowing the creation of lay-flat albums from 5" x 6" to 12" x 18".



"Lay-Flat" 12" x 12" sample book shown.





# See the Difference for Yourself

The DreamLabo 5000 is quickly setting a new standard for print beauty and quality—as well as speed and convenience—in the commercial printing industry. But don't take our word for it. Request an informational packet or arrange for a demonstration to see the DreamLabo 5000 in action. We even challenge you to send us a file to be printed, and then compare the output from your current printer to that of the DreamLabo 5000. See the clear difference for yourself. You *will* be impressed.

Specifications	
<b>Print Technology</b>	Inkjet Technology
<b>Input</b>	RGB (sRGB/Adobe RGB)
<b>Print Resolution</b>	2400 x 1200 dpi
<b>Print Size</b>	3.5" x 3.5"/25" x 12"* (89 mm x 89 mm/635 mm x 305 mm)
<b>Printing Speed</b>	8" x 10":* 1,180 pages per hour (single-sided) Photo Album:** 72 seconds per album/50 albums per hour (8.27" x 11.69" size/20 pages, double-sided)
<b>Ink</b>	Seven dye-based inks: Black, Cyan, Magenta, Yellow, Photo Cyan, Photo Magenta, Gray
<b>Paper Supply</b>	Two rolls loadabl Four rolls loadable (with optional Paper Deck)
<b>Sorter</b>	Large (10 bins); larger than 6" (>152mm) Small (10 bins); smaller than 6" (<152mm)
<b>Floor Space Required (H x W x D)</b>	82.3" x 247.7" x 150.7" 82.3" x 275.1" x 150.7" (with optional Paper Deck)
Dimensions/Weight	
<b>Dimensions (H x W x D)</b>	60.6" x 142.9" x 63.0" 60.6" x 170.3" x 60.6" (with optional Paper Deck)
<b>Weight (Max.)</b>	Approx. 5,820 lb. (Includes printer, roll paper x2, ink, water, and wasted ink) Approx. 6,393 lb. (with optional Paper Deck) (Includes printer, roll paper x2, ink, water, and wasted ink)

\*Calculated speed rating does not include processing time and is based on time lapse from paper input to fully printed paper output of 8" x 10" photographic sheets.

\*\*Calculated speed rating does not include processing time and is based on duplex printing of 10 full-bleed A4-sized (8.27" x 11.69"/210 mm x 297 mm) sheets. A complete photo album or POD production requires a separate book-binding process, not included within this time period.

Paper Type	Length (yard)	Weight (gsm)	Thickness (µm)	Width (Inch)									Total (No. of Sizes)
				5"	5.33"	6"	8"	8.27"	10"	11"	11.69"	12"	
Glossy (Single-Sided)	175	275	270	•	•	•	•	•	•	•	•	•	8
Luster (Single-Sided)	219	200	202	-	-	-	-	•	-	-	-	•	2
	219	200	205	-	-	-	-	•	-	-	-	•	2
	175	266	260	•	-	•	•	-	•	•	•	•	6
Metallic Silky (Single-Sided)	219	198	193	-	-	-	-	•	-	-	-	•	2
Silky (Single-Sided)	252	185	185	•	-	•	-	•	•	•	•	•	7
Glossy (Double-Sided)	131	252	237	•	-	•	-	•	-	-	-	•	4
Luster (Double-Sided)	131	252	245	•	-	•	-	•	•	•	•	•	7
Satin (Double-Sided)	197	165	185	•	-	•	-	•	•	•	•	•	7

Note: The thickness and weight should be used for reference purposes only.

Specifications		
<b>Paper Handling</b>	Paper Width (Processing Width)	5"/6"/8.27"/10"/11"/11.69"/12" (127 mm/152 mm/210 mm/254 mm/279 mm/297 mm 305 mm)
	Paper Length	5"–18" (127 mm – 457 mm)
	Paper Capacity	100 Sheets
<b>Hinge Slit Width</b>	0.02" – 0.08" (0.5 mm – 2.0 mm)	
<b>Processing Speed</b>	Approx. 14 Seconds/Sheet **	
<b>Dimensions (H x W x D)</b>	50.0" x 51.2" x 39.4" (1270 mm x 1300 mm x 1000)	
<b>Weight</b>	Approx. 992 lb. (450 kg) (U.S.A./Japan) Approx. 1069 lb. (485 kg) (Europe/Australia/China/Korea)	
<b>Consumables</b>	Clear Film Tape, Paper Cutter, Tape Cutter	

\* Not including time of paper setting and changing consumables.

\*\* When Processing A4-sized (8.27" x 11.69"/210 mm x 297 mm) double-sided paper with 8.27" (210 mm) processing width.

For additional FS-500 specifications, please visit:

[http://www.usa.canon.com/cusa/production/products/production\\_photo\\_printers](http://www.usa.canon.com/cusa/production/products/production_photo_printers)

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