Fujifilm Digital Minilab Frontier 500 Main Specifications

	Input source	Print sizes	Paper widths	Frontier 500
Processing capacity	135	3R	127 mm	Approx. 900 prints/hr
		4R	152 mm	Approx. 800 prints/hr
		8R	203 mm	Approx. 300 prints/hr
	Advanced Photo System (IX240)	3R C/H/P-mixed-format prints; 25 exp. roll and index print	89 mm	Approx. 5 rolls/hr
	Media prints (digital still cameras with 2.5 million pixels)	3R	127 mm	Approx. 900 prints/hr
		4R	152 mm	Approx. 800 prints/hr
Printable films (using standard or optional film carriers)	■ Using standard carrier • Color negative film: 135 (strips, piece) • Color positive film: 135 (strips, piece) • Black-and-white film: 135 (strips, piece)		■ Using optional carrier • Color negative film: Advanced Photo System (IX240)(cartridge, strips) • Color positive film: Advanced Photo System (IX240)(cartridge, strips), 135 (mounting)	
Print sizes	117 x 82.5 mm, 89 x 127 mm ~ 203 x 305 mm, A4			
Processing chemicals	Chemical system CP-49E			
Footprint space	■ Input unit (SP-500) : Approx. 0.1 m² ■ Output unit (LP-5000/5000DM) : Approx. 0.84 m²			

Input unit | SCANNER (SP-500) & IMAGING CONTROLLER (DIC II)

Type: Tabletop type, independent scanner.
Scanning section: Area CCD with precision pixel shifting system
Film carriers: • 135 automatic film carrier NC100AR (standard) 135F/P/Hv (135H is optional) ,Color/black-white negative, color reversal; Piece and strip film. • Manual film carrier MFC10AR (optional) Advanced Photo System (IX240), 135F, 135 Half, 135 reversal mount.
Imaging Controller (DIC II) : Optimal color reproduction processing, color gradation control, facial expression enhancement, hyper-tone processing, hyper-sharpness processing, monotone finishing, retouching function (dust or scratches on film can be erased automatically in printing), soft focus, red-eye correction processing, and others.
Display (DIC II) : 17-inch CRT or LCD color display Multi-frame display capability (standard 6-frame display, can be set to display single frame or six frames)
Input light source: LED
Power requirements: AC100-240V (50/60Hz), 0.25KVA
Dimensions: 245 (W) x 445 (D) x 375 (H)mm
Weight: Approx. 21 kg

Output unit | LASER PRINTER/PAPER PROCESSOR Frontier 500 (LP-5000/LP-5000DM)
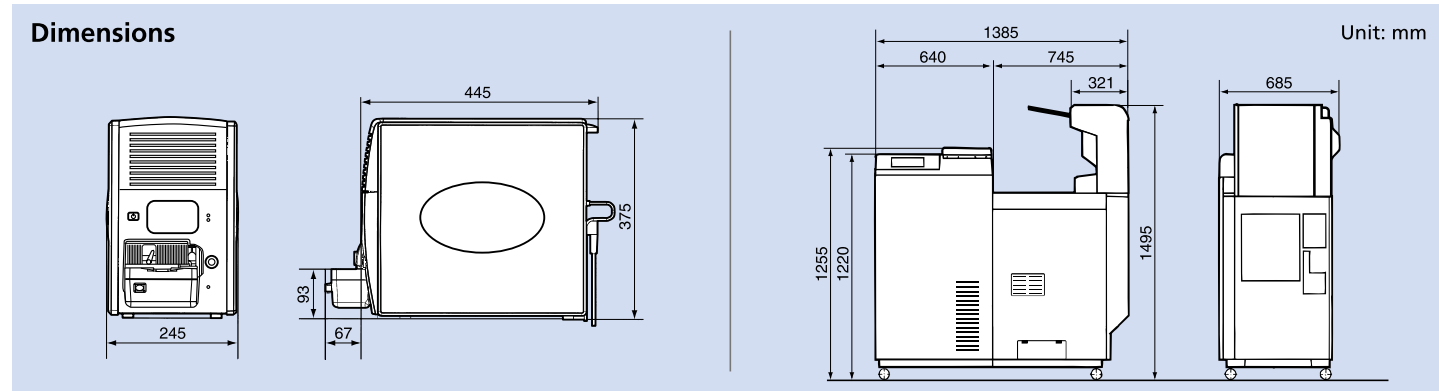
Type: Floor-type, normal light operation (laser printer, processor, cutter, sorter in one unit).
Exposure system: Scanning exposure system using RGB lasers.
Paper magazines: Single paper magazine (LP-5000) Two switchable paper magazines (LP-5000DM).
Paper: FUJICOLOR paper (silver-halide).
Paper widths: 8.9, 10.2, 11.7, 12.7, 15.2, 20.3, 21.0 cm.
Back printing: Single 40/80-character lines in backside print of information.
Front printing: Time and date of photograph in black characters in lower-right corner on prints from Advanced Photo System (IX240) cartridge film.
Index print: Color index print and normal prints can be printed from Advanced Photo System/135 (color negative and sepia) film in one pass (by RGB laser exposure).
Printer sorter: SU700AR, sorting capacity: 7 orders of C/H/P-mixed format prints.
Printer condition setup: Semi-automatic calibration by built-in calibrator.
Processor carriage: Single, sheet carriage.
Processing time: Dry-to-dry: 1 min. 27 sec.
Power requirements: AC200-240V (50/60Hz) Single-phase 16A, approx. 3.4KVA.
Dimensions: 1385 (W) x 685 (D) x 1495 (H) mm.
Weights: LP-5000: Approx. 331 kg (386 kg during actual operation) LP-5000DM: Approx. 345 kg (400 kg during actual operation)

Options

For Film Scanner	For Laser Printer
MFC10AR Manual Carrier 240 Film Holder 135 Mount Holder 135 Half Holder 135 Half Mask (for auto film carrier) Operating Keyboard Send Back Box Film Ejection Guide Film Receiving Box	Print Sorter SU700 AR Tray Kit Slider Rail Paper Magazine Paper Guide

NOTE: Optional software may be required for some operations.

Performance varies depending on processing capabilities of the Imaging Controller. Specifications are subject to change without notice. All brand names or trademarks are property of their respective owners.

The Frontier 500 has received the UL/CUL/CE Marks for meeting high safety standards.

Dimensions

Unit: mm

445
375
93
245
67

1385
640 · 745
321
685
1255
1220
1495

Compact, Speedy, Beautiful

FUJIFILM
I&I – Imaging & Information

DIGITAL MINILAB
Frontier 500

An Affordable Solution for High-Quality Digital Prints

New System Configuration Frontier 500

The compact, space-saving Fujifilm Digital Minilab Frontier 500 offers an affordable way to launch a digital camera print processing business. And with its high-speed, high-capacity performance, the Frontier 500 can keep up with rapidly growing demand. Designed with a host of labor-saving features, the separate input/output configuration also permits expansion of the basic system. Achieving new savings in energy consumption, the Frontier 500 makes it easier than ever to offer high-quality digital camera print services.

SP-500 Film Scanner

The SP-500 is a compact film scanner for processing orders for prints from film. The addition of optional film holders makes it possible to handle a variety of film types, including medium-format negative film.

Optional Film Holders

Imaging Controller DIC II

The DIC II is a fully integrated system controller for all Frontier operations. Print orders from film and digital media can be tracked and processed on a single screen, enhancing productivity and reducing waiting time. And with the addition of optional software, the DIC II makes it possible to expand the Frontier system to meet demand for a diverse range of specialized print services.

[Frontier 500 System]

Film orders

Digital orders

Prints

Digital Photo Center

Digital Photo Center in-store order-processing terminals can be connected directly to the Frontier 500, enabling customers to place their own digital camera print orders, eliminating the need for staff to fill out order forms. Multiple media slots are compatible with a variety of digital memory formats, and a wireless interface makes it easy to order prints from camera phones.
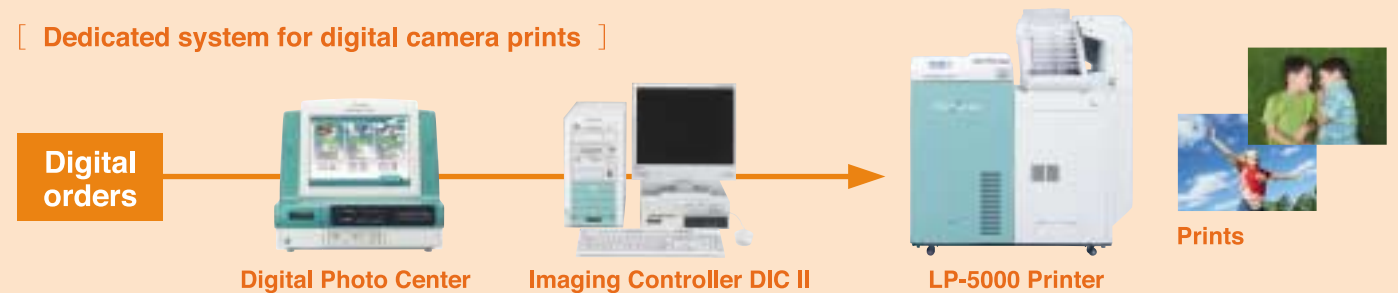
LP-5000 Laser Printer

Occupying less than a square meter of floor space ($0.84m^2$), the LP-5000 printer can be configured with single or double paper magazines to meet specific volume and capacity requirements.

A streamline system for digital camera print services with a minimal investment

Digital camera print-specific configuration for cost-efficient start-ups

Consisting of separate input scanner and printer units, the new Frontier 500 configuration can be tailored to meet a variety of business models, offering the opportunity to introduce quality digital camera print services with minimal initial investment.

[Dedicated system for digital camera prints]

Digital orders

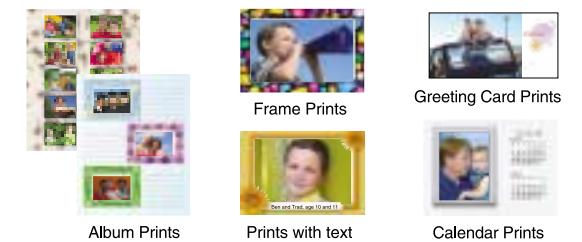Digital Photo Center   Imaging Controller DIC II   LP-5000 Printer

Prints

High-speed, high-capacity

Despite its compact size, the affordable Frontier 500 can process up to 800 prints per hour (4R size), high-speed performance that can handle more and more orders as business grows.

Handles a wide range of print sizes and variety print formats

The compact Frontier 500 is capable of outputting a wide variety of print formats on various media. Customers can order prints as large as 8 inches, making it possible to offer the added value of quality enlargements. Thanks to Fujifilm's proprietary "Image Intelligence™" image processing technology, prints are optimized to ensure beautiful results – and satisfied customers!

Frame Prints   Greeting Card Prints

Album Prints   Prints with text   Calendar Prints

Expandable to meet your growing needs

Optional hardware and software adds functionality and enables the Frontier 500 system to keep pace with a growing business.

■ **Prints from film**
Connected to the Imaging Controller, the compact SP-500 Film Scanner makes it easy to process orders for prints from various types of film. The addition of a tabletop scanner lets you offer Print-to-Prints service as well.

■ **Growing demand for digital camera prints**
Installation of more Digital Photo Center in-store order terminals lets you increase order-processing capacity without hiring more staff. And the addition of more order terminals boosts customer satisfaction by cutting waiting time.
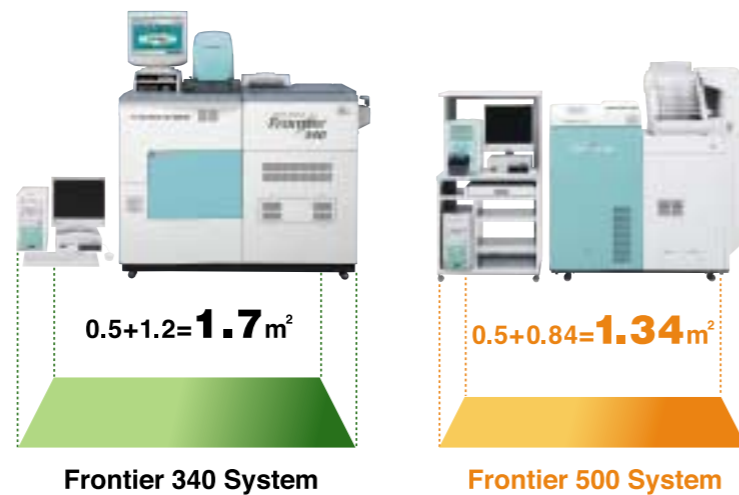
■ **Optional software for added functionality**
A variety of optional software for the Imaging Controller is planned to expand available print services and maximize the capacity and flexibility of the Frontier 500 system.
(Optional software availability may vary in different markets.)

Easy to install, easy to use, high-performance.
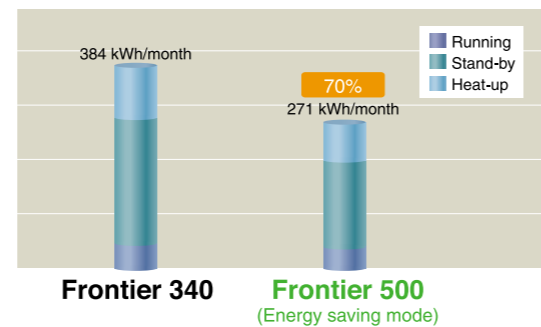# The evolution of the Frontier 500.

Compact Separate input and output units save space

The film scanner and Imaging Controller are separate units, permitting a variety of flexible layout options. The printer occupies a mere 0.84m² of floor space, for easy installation anywhere. The combined system has a footprint of just 1.34m², a 20% reduction compared to existing combined single-unit Frontier models.

$0.5+1.2=1.7\,m^2$

$0.5+0.84=1.34\,m^2$

Frontier 340 System   **Frontier 500 System**

Ecological Significant reduction in power consumption, CO₂ emissions

Power consumption for the combined system, including scanner and imaging controller is a mere 271kWh/ month (standard usage pattern). This represents an approximately 30% reduction compared to the 384kWh/month consumed by the Frontier 340. CO₂ emissions have also been reduced by 30%.

384 kWh/month

70%
271 kWh/month

Running
Stand-by
Heat-up

Frontier 340   **Frontier 500**
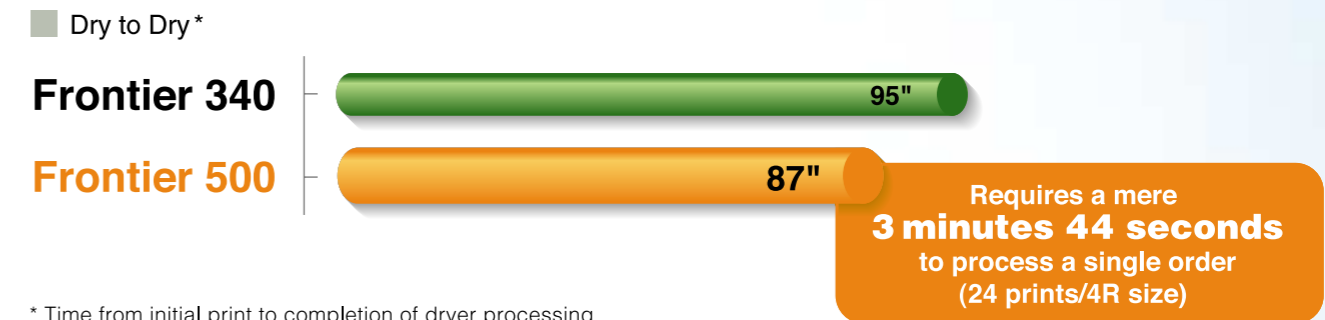(Energy saving mode)

Easy Simplified maintenance

The Frontier 500 system is easy to maintain. The frequency of specific user maintenance routines has been significantly reduced. The drying unit, which previously needed to be cleaned every week (Frontier 340), now requires cleaning only once a month, while weekly cleaning of air filters and internal nozzles has also been reduced to once every month.

Speedy Boosted processing speed

The compact Frontier 500 can produce up to 800 prints per hour (4R size), ample capacity for a growing business. A single order (24 prints/4R size) can be processed in a mere 3 minutes 44 seconds. The combination of Fujifilm's proprietary Frontier hardware, processing chemicals and photographic paper significantly boosts processing speed, achieving a dry-to-dry time of just 87 seconds for a 4R size print.

▨ Dry to Dry *

Frontier 340   95"
Frontier 500   87"

Requires a mere
3 minutes 44 seconds
to process a single order
(24 prints/4R size)

* Time from initial print to completion of dryer processing.

Beautiful "Image Intelligence™" – improved image quality delivered quickly and automatically

Fujifilm's nearly seven decades of accumulated knowledge have gone into the extensive array of digital image-processing software incorporated in the Frontier 500. "Image Intelligence™" automatically compensates for poor lighting and other problematic conditions, and it also makes skin tones more natural and facial expressions more distinct. And since photo image correction is automatic, processing time is reduced, and more incoming orders can be processed. Incorporated into the Frontier 500, the latest version of "Image Intelligence™" offers an enhanced set of basic automatic compensation features to ensure optimum correction of a wide variety of photo scenes.

Image Intelligence™

■ **Enhanced set of basic automatic compensation features**
Automatic color and contrast compensation features have been enhanced for both film and digital camera prints.The Frontier 500 also permits separate custom settings (sharpness, tone, gradation, etc.) for each digital camera print.

■ **Full Automatic Red-eye Correction (optional)**
Red-eye correction is now fully automated, so there's no need to halt the production flow to make manual selections or adjustments. Red-eye detection and correction functions in Full Automatic Red-eye Correction mode have been enhanced to ensure even more consistently beautiful results.