Fujifilm Digital Minilab Frontier 550/570/590 Main Specifications

<table>
<thead>
<tr>
<th>Input Unit</th>
<th>LASER PRINTER/PAPER PROCESSOR Frontier 550 (LP-5500), Frontier 570 (LP-5700) and Frontier 590 (LP-5900)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Floor-type, independent scanner.</td>
</tr>
<tr>
<td>Scanning sections</td>
<td>Area CDI with precision pixel shifting system</td>
</tr>
</tbody>
</table>
| Film carriers | • 135/IX240 automatic film carrier (standard)  
• 120/220 (6 x 4, 6 x 5, 6 x 6, 6 x 7, 6 x 8)  
• 135 half, 135FP, 110, 120/220 (6 x 4.5, 6 x 6, 6 x 7, 6 x 8, 6 x 9), 135 reversal mounted  
• 135F/P/Hv/135H (optional); Color/black-white negative, color reversal; Piece and strip film  
• Frontier 550 (LP-5500), Frontier 570 (LP-5700) and Frontier 590 (LP-5900) |
| Film sizes | 82.5 x 117 mm ~ 305 x 457 mm                                                    |
| Paper widths | 3R, 4R, 5R, 6R, 10R, 15R (digital still cameras with 2.5 million pixels)         |
| Media prints | • Multi-film carrier MFC10AY (optional)  
• Multi-frame display capability (standard 6-frame display, red-eye correction processing, and others)  
• can be erased automatically in printing, soft focus, red-eye correction processing, and others  
• Printer sorter: 550: SU700AY, sorting capacity: 24 orders of C/H/P-mixed format prints  
• SU2400AY, sorting capacity: 48 orders of C/H/P-mixed format prints  
• SU4200AY, sorting capacity: 72 orders of C/H/P-mixed format prints  
• SU6300AY, sorting capacity: 108 orders of C/H/P-mixed format prints  
• SU1800AY, sorting capacity: 216 orders of C/H/P-mixed format prints  
• SU2400AY, sorting capacity: 288 orders of C/H/P-mixed format prints  
• SU4200AY, sorting capacity: 576 orders of C/H/P-mixed format prints  
• SU6300AY, sorting capacity: 864 orders of C/H/P-mixed format prints  
| Printer condition setup | Semi-automatic calibration by AD300 calibrator.                                  |
| Processor carriage | Multi-line, sheet carriage.                                                      |
| Processor sorting | 550 (554 kg during actual operation)  
570 (520 kg during actual operation)  
590 (510 kg during actual operation)  
| Power requirements | AC 100-240V (50/60Hz), 1.8kVA                                                  |
| Dimensions | 1965 (W) x 850 (D) x 1390 (H) mm                                               |
| Weights | Approx. 18 kg (with NC 100AY and 17-inch CRT display)                            |

Performance units 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 550/570/590 have received the UL/CUL/CE Marks for meeting high safety standards.

Dimensions

<table>
<thead>
<tr>
<th>Frontier 550</th>
<th>Frontier 570</th>
<th>Frontier 590</th>
</tr>
</thead>
<tbody>
<tr>
<td>770</td>
<td>900</td>
<td>955</td>
</tr>
<tr>
<td>760</td>
<td>880</td>
<td>945</td>
</tr>
<tr>
<td>772</td>
<td>892</td>
<td>955</td>
</tr>
<tr>
<td>1515</td>
<td>1670</td>
<td>1735</td>
</tr>
</tbody>
</table>

Weights

<table>
<thead>
<tr>
<th>Frontier 550</th>
<th>Frontier 570</th>
<th>Frontier 590</th>
</tr>
</thead>
<tbody>
<tr>
<td>550</td>
<td>570</td>
<td>590</td>
</tr>
<tr>
<td>410</td>
<td>470</td>
<td>510</td>
</tr>
</tbody>
</table>

Frontier 550 (LP-5500), Frontier 570 (LP-5700) and Frontier 590 (LP-5900) have received the UL/CUL/CE Marks for meeting high safety standards.

Scan & Image Processor

Frontier 550, Frontier 570 and Frontier 590 (SP-3000)

Type

Floor-type, independent scanner.

Scanning sections

Area CCD with precision pixel shifting system

Film carriers

• 135/IX240 automatic film carrier (standard)  
• 120/220 (6 x 4, 6 x 5, 6 x 6, 6 x 7, 6 x 8, 6 x 9), 135 reversal mounted  
• 135F/P/Hv/135H (optional); Color/black-white negative, color reversal; Piece and strip film  
• Multi-film carrier MFC10AY (optional)  
• Multi-frame display capability (standard 6-frame display, red-eye correction processing, and others)  
• can be erased automatically in printing, soft focus, red-eye correction processing, and others  

Image processing

Optimal color reproduction processing, color gradation control, facial expression enhancement, hyper-time processing, hyper-sharpness processing, monochrome finishing, retouching function (dust or scratches on film can be erased automatically in printing), soft focus, red-eye correction processing, and others  

Display

17-inch CRT or LCD color display  
Multi-frame display capability (standard 6-frame display, or six frames)

Input light source

LED  

Input signals

AC 100-240V (50/60Hz), 1.8kVA  

Dimensions

820 (W) x 770 (D) x 1208 (H) mm  

Weights

Approx. 118 kg (with NC 100AY and 17-inch CRT display)  

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Frontier takes your business to a higher plane, boosts customer satisfaction

The next-generation Digital Minilab Frontier 550/570/590 models set a new standard for high-speed processing, without sacrificing the print quality that customers have come to expect from Frontier. A high-speed laser exposure system and Fujifilm’s proprietary Image Intelligence image processing produce exceptional high-quality, high-resolution prints with pure, vivid colors. Expandable to handle a wide variety of digital media, these next-generation Frontier models are simple to operate, even for inexperienced staff, and feature space-saving stylish designs that can be accommodated in any floor space. In combination with Fujifilm’s proprietary paper and chemicals, the new Frontier models make it possible to offer speedy “Prints in Minutes” service. That means more satisfied customers coming more often to your store.

### Frontier 550

**Processing capacity (actual production)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Printing capacity</th>
<th>Single-order processing time</th>
<th>Footprint (output unit)</th>
<th>Print sorter</th>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>550</td>
<td>1,210 prints/hour (4R size)</td>
<td>2' 55&quot; (24 prints/4R size)</td>
<td>1.2 m²</td>
<td>7 orders</td>
<td>328 kWh</td>
</tr>
</tbody>
</table>

Next-generation all-round Digital Minilab Frontier. Reliable output of 1,210 prints (4R size) per hour.

### Frontier 570

**Processing capacity (actual production)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Printing capacity</th>
<th>Single-order processing time</th>
<th>Footprint (output unit)</th>
<th>Print sorter</th>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>570</td>
<td>1,800 prints/hour (4R size)</td>
<td>2' 28&quot; (24 prints/4R size)</td>
<td>1.2 m²</td>
<td>14 orders</td>
<td>306 kWh</td>
</tr>
</tbody>
</table>

Next-generation standard Digital Minilab Frontier features sophisticated functions and state-of-the-art technology. High-capacity output of 1,800 prints (4R size) per hour.

### Frontier 590

**Processing capacity (actual production)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Printing capacity</th>
<th>Single-order processing time</th>
<th>Footprint (output unit)</th>
<th>Print sorter</th>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>590</td>
<td>2,400 prints/hour (4R size)</td>
<td>2' 19&quot; (24 prints/4R size)</td>
<td>1.4 m²</td>
<td>24 orders</td>
<td>296 kWh</td>
</tr>
</tbody>
</table>

Next-generation high-performance Digital Minilab Frontier boasts unprecedented high-capacity output of 2,400 prints (4R size) per hour.
Beautiful prints with minimal effort

"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 550/570/590. “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.

Frontier 550/570/590 with high-speed processing technology

Starting with the high-speed, high-precision scanner, the Frontier 550/570/590 have been engineered for greater productivity. Other elements include the high-speed conveyor belt, the highly efficient multi-path chemical processing system, and the fast yet energy-efficient drying system. Sharp, high-resolution images and pure, vivid colors are provided by the Fujifilm-developed high-speed laser exposure unit.

Complete processing in only minutes

The Frontier 550/570/590 deliver the highest processing speed (for a single order) ever offered by a Frontier minilab. Give your customers the instant gratification of receiving beautiful, full-quality prints in a matter of minutes. In addition, the Frontier 550/570/590 make significant leaps in throughput capacity, meaning you’ll be able to handle more business in general and offer better and faster service during peak hours of customer demand.

Speedy handling of digital camera orders with Digital Photo Center

The Digital Photo Center supports your store operations by dealing with the ever-increasing number of digital media and digital camera orders. With its fast touch-panel entry system, customers can easily enter orders by themselves. And because your staff don’t have to attend to customer orders, they’ll have extra time to perform other tasks.

Automatic scratch and dust elimination (standard)

This function corrects for scratches and dust on both the emulsion layer and the film base of the original film using infrared detection and image extrapolation algorithms. Using “Image Intelligence” technology, it automatically corrects the image by extrapolating image data from the surrounding area.

Large 12-inch-wide prints

The Frontier 550/570/590 are set up to produce large-size prints used by professional photographers – up to 12x18 inches – enabling you to offer services to this segment of the market. Even at large dimensions, the prints have beautiful image quality and crisp, clear resolution.

Specialty formats and special services

Various optional software packages give you outstanding flexibility in the menu of services you offer your customers.
Frontier Manager Printer Controller (FMPC) can potentially increase processing capacity by up to 40%*.  

- **Enhanced production and capacity through simultaneous processing**  
  Film and digital image processing can be performed at the same time to eliminate waiting for input and utilize the maximum production capacity of the output unit.

- **Increased printing efficiency when combined with Frontier Manager**  
  Combining the scheduling function of Frontier Manager with FMPC’s simultaneous film and digital processing function makes the workflow more efficient. In addition, FMPC groups orders by print width to reduce the number of paper magazine changes.

- **More flexibility and better return-on-investment**  
  FMPC can be installed without having to change most of the Frontier 550/570/590 systems; so you get maximum processing efficiency and capacity at minimal costs. With FMPC, the Frontier 550/570/590 are also flexible enough to cope with ever-diversifying print services and increased volume.

Frontier Manager lets you take full control of your store’s operations by improving efficiency and productivity in the workflow.

- **Improved productivity to reduce workflow errors**  
  Print operations are automatically set up for reduced-error workflow.

- **Easier billing calculations and management**  
  You can automatically calculate and manage each order within the system, thus reducing the time and potential error of manual calculation.

- **Better time management for orders**  
  Frontier Manager’s time-management feature informs the staff of urgent deadline order numbers in red letters to help avoid any delays. Urgent orders are also automatically prioritized.

Enjoy more efficient space and energy usage, and greater convenience in day-to-day operations

- **Intuitive user interface for easier operation**  
  The icon-based operations system for the Frontier 550/570/590 is designed for maximum usability, even by inexperienced staff without special training. Procedural steps and optional choices are laid out clearly onscreen, with context-specific help provided for every step of every operation.

- **Self-diagnostic system**  
  The Frontier 550/570/590 run continuous self-diagnostic routines during the course of ordinary operation, and full diagnostic information is available in real time. Potential problems trigger an onscreen alert, so they can be dealt with as quickly as possible.

- **More processing capacity in less space**  
  Despite their greater processing capacities, the Frontier 550/570/590 are more compact than their predecessors (Frontier 350/370/390). They also allow greater flexibility in your shop’s floor layout thanks to their three-sided maintenance configurations – all maintenance operations can be done from the front or the sides, and there’s no need to access the back of the unit. Either unit can be placed against a wall, freeing up floor space for other uses, or allowing you to fit the Frontier into a smaller room to begin with.

- **Energy-saving design**  
  Along with engineering improvements, the energy-consumption profile of the output units has been readjusted and optimized to reflect the most common usage patterns. The end result is an energy savings of approximately 50% in energy-saving mode, and approx. 35–45% in standard mode, compared with the previous model (Frontier 370).

- **12-inch double paper magazine**  
  The two built-in paper magazines can now handle sizes of up to 12 inches. Although the 12-inch paper magazine is wider than the previous model’s 10-inch magazine, it’s nonetheless 10% lighter in weight. It also incorporates a newly developed mechanism to minimize paper loss when changing magazines.

- **24-, 14- and 7-order sorters**  
  The Frontier 550 is available with a 7-order sorter, while the Frontier 570/590 offers a choice of either a 14- or 24-order sorter. The top-mounting of the 7- and 14-order sorters eliminates the need for additional footprint space.

* Results according to tests conducted by Fujifilm; results may vary under actual production conditions.