FUJIFILM

More Functions! Greater Convenience!

Expanding
Frontier Solutions

Innovative Ideas from Fujifilm for Expanding Your Photo Business

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Fujifilm's **Expanding**

Meeting the wide-ranging needs of your
Solutions can significantly boost the
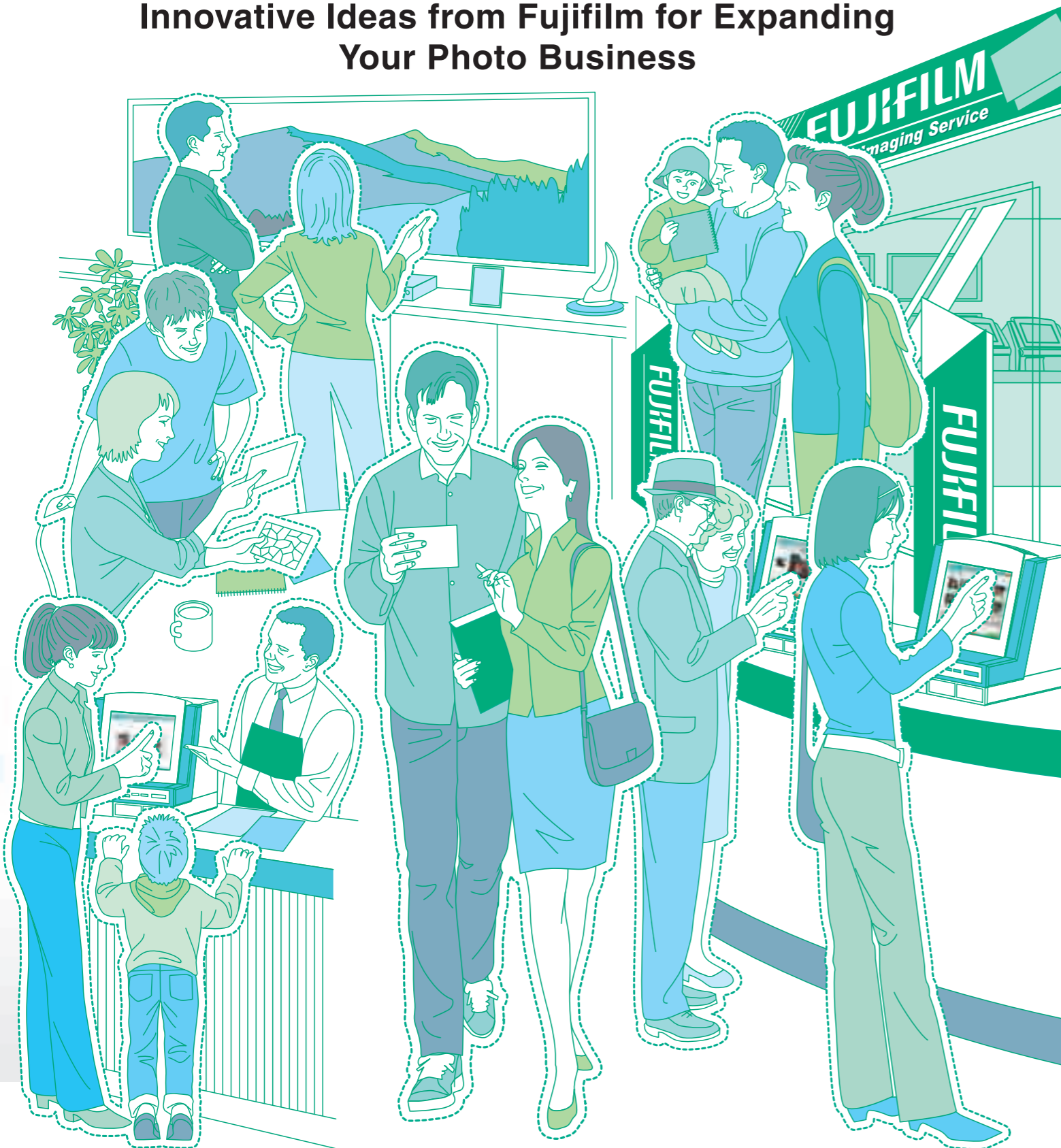
Four Keys to Ensure Fujifilm's

1. *Frontier*
Customer Interface
Simple and convenient

- User-friendly GUI screen: With this *easy operation*, orders will soar!
- Handles a *variety of services* to match your shop's business style!

Order terminal | Order screen
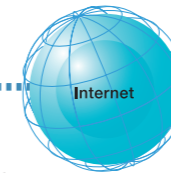
Order terminal | Film scanner

Print Kiosk | Print Kiosk

Print order via Internet | Internet

2. *Frontier*
Workflow Management
Easy to use

- Print preview operation is *easy* and requires no special skills or experience!
- Collective workflow management reduces errors and *speeds up* processing time!

Image Intelligence™

Digital Imaging Controller | FUJIFILM Frontier Workflow Management Software "MS"

Preview operation | Order management screen

Fujifilm's Expanding Frontier Solutions strongly support your photo shop business with the combination of the Frontier Customer Interface, Frontier Workflow Management, Frontier Multi-Link, and Frontier Quality.
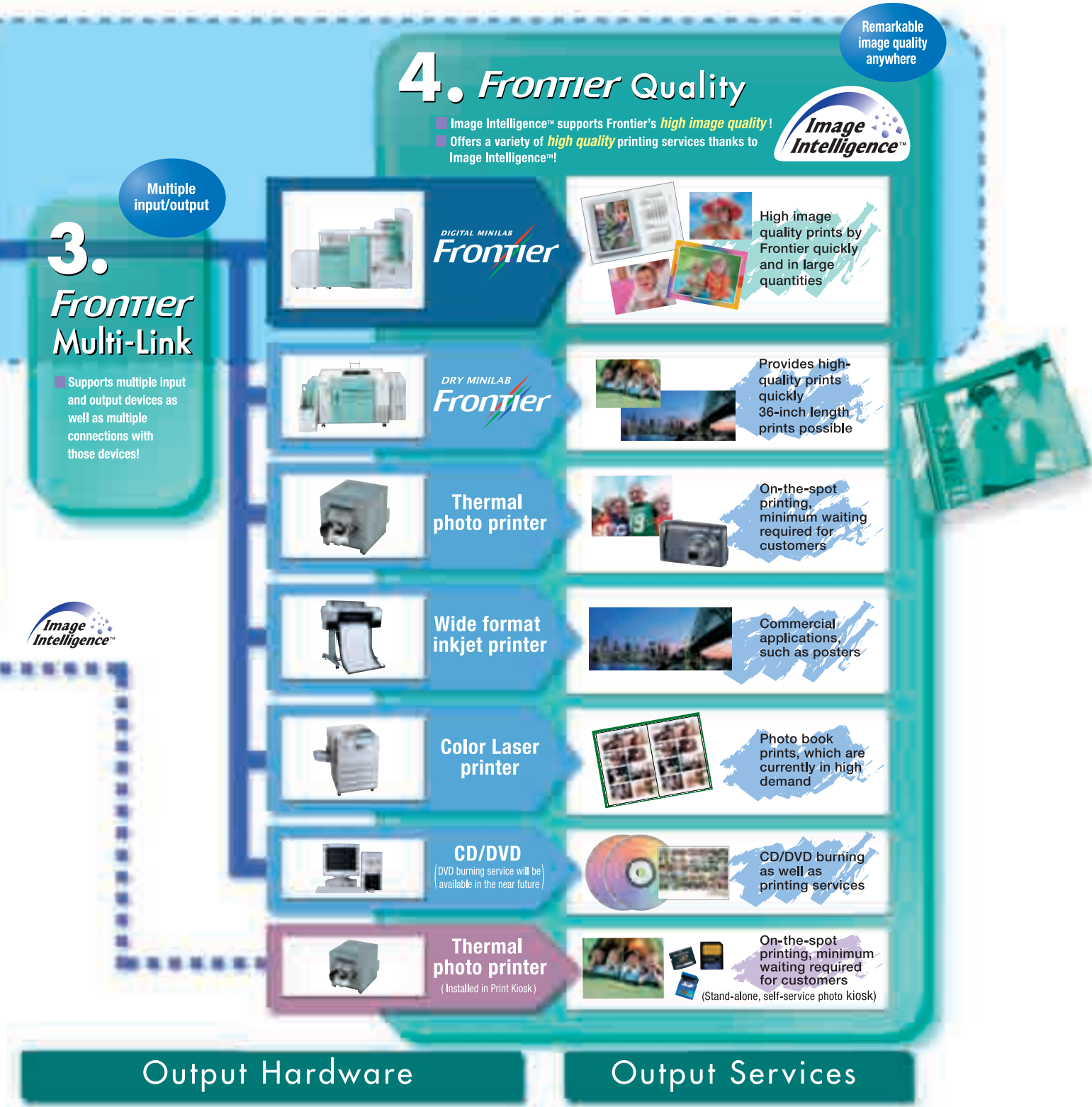
Offering various services quickly, easily, and with high image quality is the Expanding Frontier Solutions concept. Fujifilm is offering solutions well-suited to the market needs of customers who are currently using Frontier as well as those who are considering its adoption in the future.

Ordering Services

Image Processing

Frontier Solutions

customers, Fujifilm's Expanding Frontier expansion of your photo business.

Expanding *Frontier* Solutions

Remarkable image quality anywhere

4. *Frontier* Quality

■ Image Intelligence™ supports Frontier's **high image quality**!
■ Offers a variety of **high quality** printing services thanks to Image Intelligence™!

Image Intelligence™

Multiple input/output

3. *Frontier* Multi-Link

■ Supports multiple input and output devices as well as multiple connections with those devices!

Image Intelligence™

Device	Service
DIGITAL MINILAB *Frontier*	High image quality prints by Frontier quickly and in large quantities
DRY MINILAB *Frontier*	Provides high-quality prints quickly 36-inch length prints possible
Thermal photo printer	On-the-spot printing, minimum waiting required for customers
Wide format inkjet printer	Commercial applications, such as posters
Color Laser printer	Photo book prints, which are currently in high demand
CD/DVD (DVD burning service will be available in the near future)	CD/DVD burning as well as printing services
Thermal photo printer (Installed in Print Kiosk)	On-the-spot printing, minimum waiting required for customers (Stand-alone, self-service photo kiosk)

Output Hardware   **Output Services**

Some services and products shown above are not available in certain markets.

Supporting a wide range of output devices that offer High value-added services with high image quality

Offers an extensive selection of photo book services for your shop

Output from Color Laser Printers	Output from Digital Minilab Frontier

Single-sided spiral bound ▼

▲ CD jacket size   ▲ A4 size   ▲ Double-sided
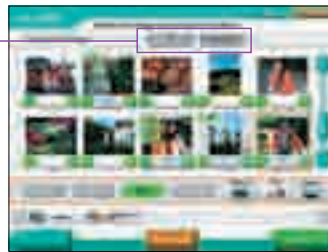

FUJIFILM Frontier Terminal Software "TS"
Order Terminal

Just touch the screen to order!

Ordering is easy, even for first-time customers, at the touch of a button. The screen seamlessly changes in response to their requests.

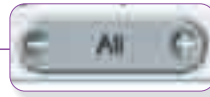The 10-frame display for easy ordering from a large number of photos

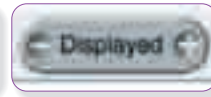The single-frame display for careful photo selection

Changes can be made in the middle of an order

Bulk orders are also possible

All **Displayed**

Bulk orders are also possible   Order all frames

Plug-ins allow for flexible expansion

"TS" offers a variety of value-added print services by adding plug-ins, which also support compatibility with new services.

Plug-ins support various services
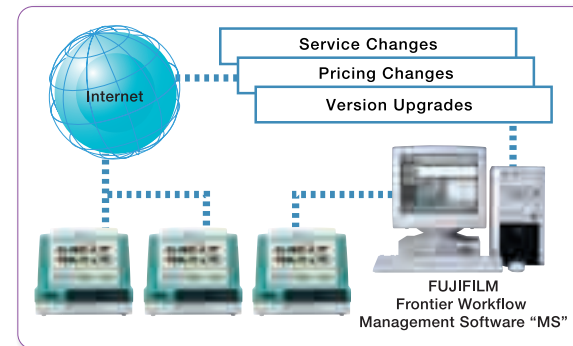
Photo Book   Spiral Calendar   Folded Cardr   Stained Glass collage   Shuffle Photo

Customize content specifically for your shop

"TS" can be freely customized for your shop operations. It is possible to set up specific services, pricing and other options.

Select from two start screens

Do maintenance and settings online (planned function)

Configure "TS" to respond to changes in prices and service settings as well as upgrading via the Internet (planned function). And, new services can be quickly supplied over the network. (Requires a center server and "TS" linked to "MS".)

Internet

Service Changes
Pricing Changes
Version Upgrades

FUJIFILM Frontier Workflow Management Software "MS"

FUJIFILM Frontier Workflow Management Software "MS"
Workflow Management

Collective order management

"MS" collectively processes printing orders and output commands. The software also makes workflow management and preview operation easy, in addition to reducing errors and processing orders quickly.
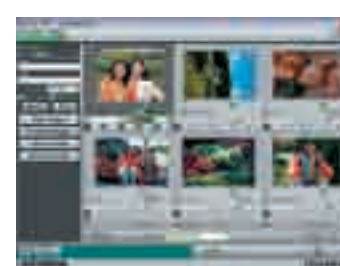
Order management screen   Preview Screen

6-frame preview operation   Enlargement display screen

Value added services

MS easily supports various value-added services, such as framed prints, calendar prints, CD burning, and ID photos.
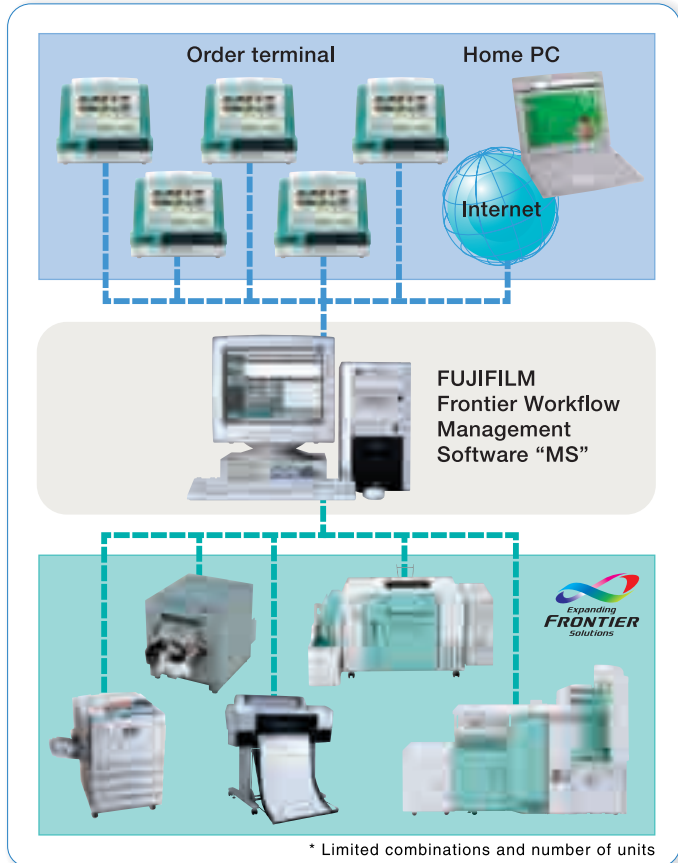
Connect multiple in-store order terminals

"MS" supports a variety of input methods, from connecting multiple in-store order terminals and Kiosks to handling orders via the Internet. In addition, its complete control over order management maintains an efficient operating environment.

Outstanding expandability

"MS" outstanding expandability can handle various output devices, including multiple networked Frontier units as dye diffusion thermal transfer printers and wide format inkjet printers.

Order terminal   Home PC

Internet

FUJIFILM Frontier Workflow Management Software "MS"

Expanding FRONTIER Solutions

* Limited combinations and number of units

FUJIFILM's cutting-edge technology realizes high-quality image processing
Technology

Image Intelligence™

FUJIFILM Frontier Workflow Management Software "MS" employs Fujifilm's proprietary Image Intelligence™ technology to offer an expandable range of image correction features, including gradation adjustment, sharpness enhancement and other image processing functions for digital camera prints. This sophisticated image processing technology makes it easy to provide high-quality print services to satisfy the most demanding customers.

Image Intelligence™

NEW

Skin color adjustments and smoothing of skin tones that formerly required manual retouching can be processed easily. These automated image-processing capabilities enable shops to improve productivity and to efficiently provide high value-added prints.
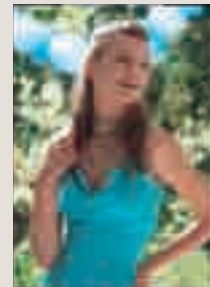
Original image   Original image

Skin smoothing
Reproduces skin tones with a smooth, beautiful texture Suitable for portraits and other uses

Skin color adjustment
Adjusts skin color only without changing the color of clothing or background
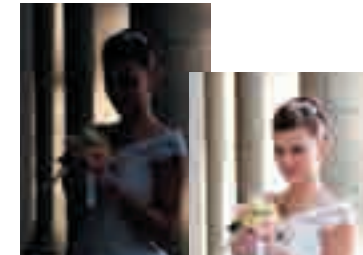
Functions using face detection technology

Face detection technology for automatically picking out a subject's face in the image is used to automate image processing, including gradation adjustment and red eye correction. The technology is also applied to new services, such as cropping and photo layout based on face detection data.

Image processing with face detection technology

Automatic density and white balance adjustment

Original image

Optimized image after image processing

Automatic red eye correction

Original image

Red-eye detection and automatic correction

Services that apply face detection technology

The face area is precisely determined by accurately recognizing the position of the main facial features, such as the eyes. For ID photos and similar products, the correct position and size of the face is automatically adjusted for trimming. Skin color is adjusted at the same time.
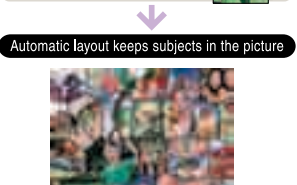
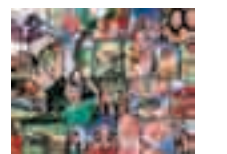ID photo

A captured image that is off-center or small

Appropriate image by cropping   Final image

Stained Glass collage

A mix of vertical and horizontal images

Automatic layout keeps subjects in the picture

productivity. Provide outstanding customer satisfaction and drive business expansion.

FUJIFILM Digital Minilab Frontier 700 Series — Printers

Seven models available. Choose the best one for your shop.

Compact Models
Can be easily installed in various locations

Photo:LP7100
LP7100 (below photo) is loaded with optional Digital Imaging Controller and 10-/12-order sorters.

iBeam Digital Exposure Engine
Frontier **LP 7000** Digital Printer Processor
Approx. **760** prints (4R) per hour
Standard equipment: One built-in paper magazine, 3-order sorter

Laser Engine
Frontier **LP 7100** Digital Printer Processor
Approx. **810** prints (4R) per hour
Standard equipment: Two built-in paper magazines, 3-order sorter

Laser Engine
Frontier **LP 7200** Digital Printer Processor
Approx. **1040** prints (4R) per hour
Standard equipment: Two built-in paper magazines, 10- or 12-order sorters

Medium-Performance Models
Provide high value-added prints in every shop

Photo:LP7500

Laser Engine
Frontier **LP 7500** Digital Printer Processor
Approx. **1180** prints (4R) per hour
Standard equipment: Two built-in paper magazines, 14- or 17-order sorters

Laser Engine
Frontier **LP 7600** Digital Printer Processor
Approx. **1480** prints (4R) per hour
Standard equipment: Two built-in paper magazines, 14- or 17-order sorters

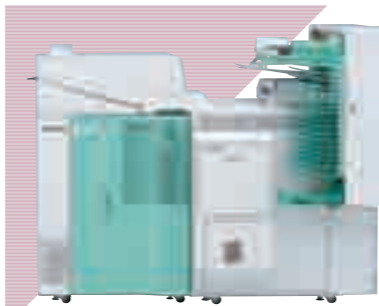#### High-Performance Models
Swiftly process large volume orders

Photo:LP7700

Laser Engine
Frontier **LP 7700** Digital Printer Processor
Approx. **2120** prints (4R) per hour
Standard equipment: Two built-in paper magazines, 14- or 17-order sorters

Laser Engine
Frontier **LP 7900** Digital Printer Processor
Approx. **2360** prints (4R) per hour
Standard equipment: Two built-in paper magazines, 14- or 17-order sorters

Film Scanners
High-performance film scanners are available for the Frontier. You can choose the optimum scanner for your shop's business needs.

SP-500
Despite its compact design (0.1m^2 footprint) and light weight (21kg), it offers superior productivity of 135-film scanning at 211 seconds. This is a compact film scanner specifically for 135-film.

SP-3000
By introducing the automatic film carrier as standard equipment, the SP-3000 can scan both 135 and IX240 film. With the optional carrier, it enables you to scan medium-format film.

Compatible with four/three built-in magazines (factory option)
Up to four built-in paper magazines can be loaded.*Suitable for print orders with various sizes as well as large orders of a uniform size. Supports efficient print production by minimizing the number of times necessary to change the paper magazines.
* Up to three built-in paper magazines can be loaded in the LP 7000/7100/7200.
  Up to four built-in paper magazines can be loaded in the LP 7500/7600/7700/7900.

Four built-in paper magazines · Three built-in paper magazines

Auto Set-Up
With the auto set-up function, pre-operation work has been streamlined. When temperature control of a processing unit is completed at a pre-programmed time, Frontier automatically generates a calibration printout, transmits the data to the densitometer, and implements necessary measurements and adjustments. Also, by using the automatic control strips running check unit (optional), it can automatically process a control strip.

Built-in densitometer · Automatic control strips running check unit (optional)

Fujicolor Crystal Archive Paper
Strongly recommended as the optimum color print paper for the Frontier series, Fujicolor Crystal Archive Paper. offers faster results along with superior print quality.

Fujicolor Crystal Archive Paper

CP-49E rapid processing chemical system
Adoption of the CP-49E rapid processing chemical system enables chemicals to be replaced at the touch of a button.

iBeam Digital Exposure Engine
The newly developed iBeam Digital Exposure Engine prints high-quality, vivid images at a high resolution of 300 × 300dpi.
LP7000

Laser Engine
Due to high-resolution output of 300 × 600dpi, high-quality images are printed with life-like color tones.
LP7100/7200/7500/7600/7700/7900

Specifications

				LP7000	LP7100	LP7200	LP7500 (LP7EZ + PP7500)	LP7600 (LP7EZ + PP7600)	LP7700 (LP7EZ + PP7700)	LP7900 (LP7EZ + PP7900)
Processing capacity (actual production)	135 negative film (24-exp.)	Print sizes / Paper widths		Print capacity (Processed by SP-500)						
		3R	127mm	Approx. 790 prints/hr	Approx. 900 prints/hr	Approx. 900 prints/hr	Approx. 1310 prints/hr	Approx. 1650 prints/hr	Approx. 1800 prints/hr	Approx. 1800 prints/hr
		4R	152mm	Approx. 760 prints/hr	Approx. 800 prints/hr	Approx. 800 prints/hr	Approx. 1180 prints/hr	Approx. 1480 prints/hr	Approx. 1800 prints/hr	Approx. 1800 prints/hr
	Media print	Print sizes / Paper widths		Print capacity (Digital still camera with 4.0 million pixels) *with highspec PC						
		3R	127mm	Approx. 790 prints/hr	Approx. 910 prints/hr	Approx. 1200 prints/hr (Paper widths 89mm)	Approx. 1310 prints/hr	Approx. 1650 prints/hr	Approx. 2000 prints/hr (*2250 prints/hr)	Approx. 2000 prints/hr (*2560 prints/hr)
		4R	152mm	Approx. 760 prints/hr	Approx. 810 prints/hr	Approx. 1040 prints/hr (Paper widths 102mm)	Approx. 1180 prints/hr	Approx. 1480 prints/hr	Approx. 1850 prints/hr (*2120 prints/hr)	Approx. 1850 prints/hr (*2360 prints/hr)
Print size				82.5 × 117mm – 203 × 610mm	82.5 × 117mm – 210 × 610mm (Max. 210 × 914.4mm with option)		82.5 × 117mm – 305 × 914.4mm			
Processing chemicals				Chemical system CP-49E						
Footprint space				Approx. 1.05m² Approx. 1.30m²*1	Approx. 1.29m² Approx. 1.30m²*2	Approx. 1.30m²	Approx. 1.34m² Approx. 1.62m²*3 Approx. 1.76m²*4		Approx. 1.40m² Approx. 1.69m²*3 Approx. 1.83m²*4	
Type				LP7000: Floor type, normal light operation (printer, processor, cutter, sorter in one unit) LP7100-LP7900: Floor type, normal light operation (laser printer, processor, cutter, sorter in one unit)						
Exposure system				LP7000: Scanning exposure system using iBeam, 300 × 300dpi LP7100-LP7900:Scanning exposure system using RGB laser, 300 × 600dpi						
Paper magazines				LP7000: One built-in paper magazine (standard), two built-in paper magazines and three built-in paper magazines (factory optional) LP7100,LP7200: Two built-in paper magazines (standard), three built-in paper magazines (factory optional) LP7500-LP7900: Two built-in paper magazines (standard), three built-in paper magazines and four built-in paper magazines (factory optional)						
Paper				FUJICOLOR Crystal Archive Paper (silver-halide)						
Paper widths				8.9cm, 10.2cm, 11.7cm, 12.7cm,15.2cm, 20.3cm	8.9cm, 10.2cm, 11.7cm, 12.7cm, 15.2cm, 20.3cm, 21.0cm		8.9cm, 10.2cm, 11.7cm, 12.7cm,15.2cm, 20.3cm, 21.0cm, 25.4cm, 27.9cm, 30.5cm			
Back printing				Double 40-character lines in backside print						
Printer sorter				3-order sorter (standard), 10-/12-order sorters (optional)		10-order sorter or 12-order sorter (selectable)	14-order sorter or17-order sorter (selectable)			
Print condition set-up				LP7000: Automatic calibration by built-in calibrator *Requires iBeam set-up using a flatbed scanner LP7100-LP7900: Automatic calibration by built-in calibrator						
Processor carriage				Single-line, sheet carriage			Double-line, sheet carriage			
Processing time (Dry to dry)				1 min. 47 sec.			2 min. 7 sec.	1 min. 50 sec.	1 min. 42 sec.	1 min. 29 sec.
Power requirements				AC 200–240V (50/60Hz) Single-phase 18A, Three-phase three-wire 13A, Three-phase four-wire 9A, Approx. 4.0 KVA			AC 200–240V (50/60Hz) Single-phase 25A, Three-phase three-wire 16A, Three-phase four-wire 11A, Approx. 5.4 KVA		AC 200–240V (50/60Hz) Single-phase 31A, Three-phase three-wire 20A, Three-phase four-wire 14A, Approx. 6.7 KVA	
Dimensions				W1,499.8 × D815 × H1,335mm W1,499.8 × D867 × H1,335mm*1 W1,957.8 × D815 × H1,335mm*5 W1,957.8 × D867 × H1,335mm*6	W1,957.8 × D815 × H1,335mm W1,957.8 × D867 × H1,335mm*2	W1,957.8 × D867 × H1,335mm	W1,660 × D953 × H1,375mm W2,060 × D953 × H1,375mm*3 W2,260 × D953 × H1,375mm*4		W1,660 × D953 × H1,375mm W2,060 × D953 × H1,375mm*3 W2,260 × D953 × H1,375mm*4	
Weight (during actual operation)				Approx. 301.7kg (Approx. 356kg)	Approx. 307.9kg (Approx. 362kg)	Approx. 318.4kg (Approx. 373kg)	Approx. 557.8kg (Approx. 649.3kg)	Approx. 561.5kg (Approx. 651.5kg)	Approx. 572kg (Approx. 665.4kg)	Approx. 570.7kg (Approx. 666.4kg)

*1 with factory optional two built-in paper magazines or three built-in paper magazines and optional sorter *2 with optional 10-/12-order sorters *3 with factory optional three built-in paper magazines and 14-/17-order sorters
*4 with factory optional four built-in paper magazines and 14-/17-order sorters *5 with factory optional two built-in paper magazines or three built-in paper magazines
*6 with factory optional two built-in paper magazines or three built-in paper magazines, and optional 10-/12-order sorters

Dimensions Unit: mm

LP7000/LP7100 · LP7200 · SP500

LP7500/LP7600 · LP7700/LP7900 · SP3000
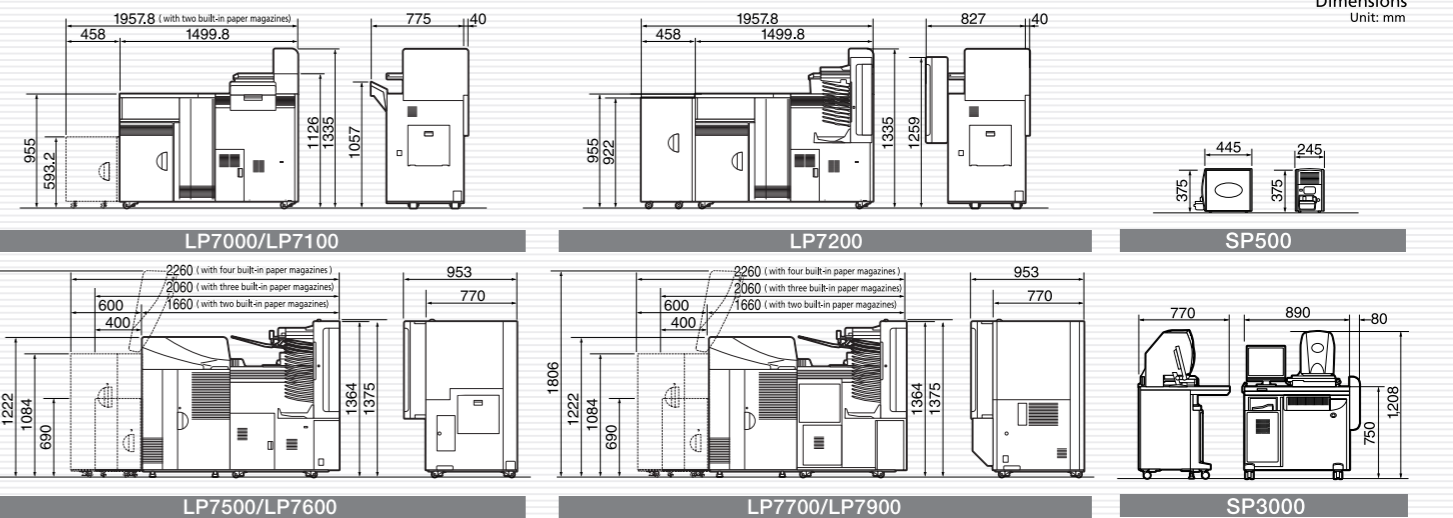
Performance varies depending on processing capabilities of the Image Controller. Specifications are subject to change without notice. All brand names or trademarks are property of their respective owners.

Output devices with Frontier quality for a variety of needs

DRY MINILAB Frontier — Expanding FRONTIER Solutions
Dry Minilab with a small footprint, high performance, and ease of operation capable of processing 36-inch length prints

Thermal photo printer — Expanding FRONTIER Solutions
A dye diffusion thermal transfer printing system with high image quality capable of handling high-speed, retail printing

Wide format inkjet printer — Expanding FRONTIER Solutions
"Frontier Quality" realizes extra-wide printing services and other options

Color Laser printer — Expanding FRONTIER Solutions
Provides photo book printing services with high image quality for double-sided prints