

## TECHNICAL SPECIFICATIONS

### New and improved features

#### ■ Able to scan an incredible 100 double-sided pages per minute! (300dpi)

Use of high speed CCD image sensors along with the latest in image processing circuitry enables the fi-5900C to scan color A4 documents at a speedy 100ppm/200ipm (300dpi). Incorporating all of this technology into the fi-5900C enables it to digitize an incredible one hundred thousand pages a day.

#### ■ Efficient pre and post scanning processing!

The fi-5900C's ability to scan mixed batch documents containing paper of varying sizes, weights and colors virtually eliminates pre-scanning preparation needs. Also, the fi-5900C is equipped with an "active stacking tray" that automatically maintains a constant height, ensuring that scanned documents are always stacked in a neat and orderly fashion. The result is ever greater scanning efficiency for the user.



#### ■ Eliminates multi-feed caused lost scanning time

The fi-5900C is armed with ultrasonic multi-feed detection sensors that detect whenever two or more sheets of paper have been simultaneously fed into the scanner. These sensors detect multi-feeds, even when scanning mixed batches containing paper of varying weights, sizes, colors and tones, thus guarding against potential scanning time losses before they even occur.

#### ■ Image processing functions

The included Virtual ReScan (VRS) and unique image processing board enables users to:

- Convert documents containing colored backgrounds or shaded areas into highly legible monochrome images.
- Automatically delete blank pages, rotate images so that each one is facing the proper orientation and automatically control contrast.
- Suppress background noise and gradation to generate cleaner images that require less file size.
- Create excellent images—even if they are not imaging experts.

#### ■ Pre and post imprinter options

Imprinter options have been offered for users with demanding document management and verification needs. The fi-5900C supports both an pre-imprinter (which prints on the front side of documents) and post-imprinter (which prints on the reverse-side of documents) option, both of which will greatly increase scanner usability.

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\*Details relating to the product described in this pamphlet are subject to change without notice

Product name		FI-5900C
Scanner type		ADF (Automatic Document Feeder) + Manual Feed
Scanning modes		Simplex / Duplex, Color / Grayscale / Monochrome
Image sensor type		Color CCD (Charge-coupled device) x 2
Light source		White cold cathode discharge lamp
Scanning range		Maximum: A3 (portrait) (297mm x 420mm or 12in x 17in) Minimum: A8 (portrait) (53mm x 74mm or 2 in x 3in)
Paper weight (Thickness)		A4 / Letter size or Smaller: 31 to 209 g/m <sup>2</sup> (8 to 56lb) Over A4 / Letter size: 52 to 157 g/m <sup>2</sup> (14 to 42lb)
Scanning speed (A4, portrait) *1	Color *2	200dpi 100ppm / 200ipm 300dpi 100ppm / 200ipm (160ipm) *3
	Grayscale *2	200dpi 100ppm / 200ipm 300dpi 100ppm / 200ipm
	Monochrome	300dpi 100ppm / 200ipm
Paper chute capacity *4		500 sheets (A4: 80g/m <sup>2</sup> or 21 lb)
Background colors		Black / White (switchable on command)
Optical resolution		600dpi
Output resolution *5	Color (24bit)	50 to 600dpi (adjustable by 1dpi increments) VRS: 100 / 150 / 200 / 240 / 300 / 400dpi
	Grayscale (8bit)	
	Monochrome (1 bit)	
Output format		Color: 24 bit , Grayscale: 8bit, Monochrome: 1bit
AD converter		1024 levels (10bit)
Interface *6		Ultra-wide SCSI / USB2.0 / VRS *7 (Selectable)
Connector shape		SCSI: Shield type 68pin (pin type) , USB: B type
Output mode (half-tone)		Dither / Error diffusion
Voltage or voltage range		AC 100 to 240V, +10% / -10%
Power		Operating: 250W or less (Sleep mode: less than 12W)
Operational environment		Temperature: 15 to 35°C (59 to 95°F) Relative humidity: 20 to 80% (Non-condensing)
Dimensions: Width x Depth x Height *8		540mm x 540mm x 500mm (21.3in x 21.3in x 19.7in)
Weight		50 kg (110lb)
SCSI Terminator		Built-in
Included drivers *9		TWAIN, ISIS™
Environmental compatibility		ENERGY STAR® and RoHS *10
Others	Multi-feed detection	Yes (Standard) ultrasonic multi-feed detection sensors x 3
	Long paper scanning *11	863mm (34 in)
	Paper counter	Yes

\*1 Actual scanning speeds are affected by data transmission and software processing times.

\*2 JPEG compressed figures.

\*3 Actual scanning speed when using VRS.

\*4 Maximum capacity varies, depending upon paper weight.

\*5 Maximum output resolutions may vary, depending upon the size of the area being scanned and whether the scanner is scanning in simplex or duplex.

\*6 Ultra-wide SCSI interface cannot be used simultaneously with USB2.0.

\*7 VRS is supported by Windows XP Professional and Windows 2000 Professional operating systems.

\*8 Excluding the ADF paper chute and stacker.

\*9 ISIS™ does not support Windows 95.

\*10 PFI Limited, a Fujitsu company, has determined that this product meets RoHS requirements (2005 / 95 / EC).

\*11 The fi-5900C is capable of scanning documents that exceed A3 sheets in length.

### Options

Description	Parts number	Comments
Pre Imprinter (FI-590PRF)	PA03450-D700	The imprinter option enables users to print information on original documents for document management purposes. While the FI-590PRF (pre imprinter) prints information on the front of documents prior to scanning, the FI-590PRB (post imprinter) prints information of the back of the original documents after they have been scanned. Although both the FI-590PRF and the FI-590PRB may be attached to the same scanner unit, both imprinters cannot be used simultaneously.
Post Imprinter (FI-590PRB)	PA03450-D710	

### Consumables

Description	Parts number	Comments
Pick Roller	PA03450-K011	Lifetime: Every 600,000 sheets or one year These rollers feed documents into the scanner.
Separator Roller	PA03450-K012	Lifetime: Every 600,000 sheets or one year These rollers feed documents through the scanner.
Brake Roller	PA03450-K013	Lifetime: Every 600,000 sheets or one year These rollers separate documents as they are being fed into the scanner.
Pad Assy	PA03450-K014	Lifetime: Every 600,000 sheets or one year These rubber parts separate documents.
Print Cartridge	CA00050-0262	Lifetime: 4,000,000 printed characters For use with fi-590PRF and fi-590PRB imprinters.

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THE POSSIBILITIES ARE INFINITE

FUJITSU

**A3** COLOR  
DUPLEX  
DOCUMENT  
SCANNER

# fi-5900C

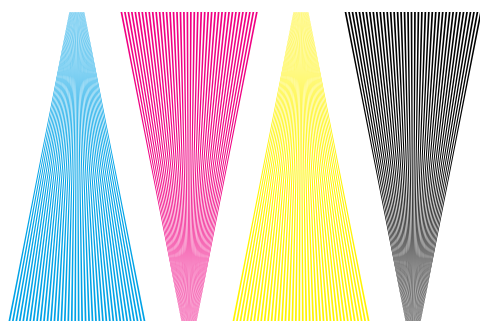
Image Scanner

*A3 Scanner*



<b>A3</b>	<b>ADF</b>	<b>DUPLEX</b>	<b>COLOR</b>	<b>Ultra sonic sensor</b>	<b>Ultra wide SCSI</b>	<b>USB 2.0</b>	<b>Mono. 200 A4 ipm</b>	<b>Color 200 A4 ipm</b>	<b>600 dpi</b>
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Win XP	Win 2000 Professional	WinNT4.0 (SCSI Only)	Win Me (SCSI/USB Only)	Win98SE (SCSI/USB Only)	Win 98 (SCSI/USB Only)	Win 95 (SCSI Only)
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