

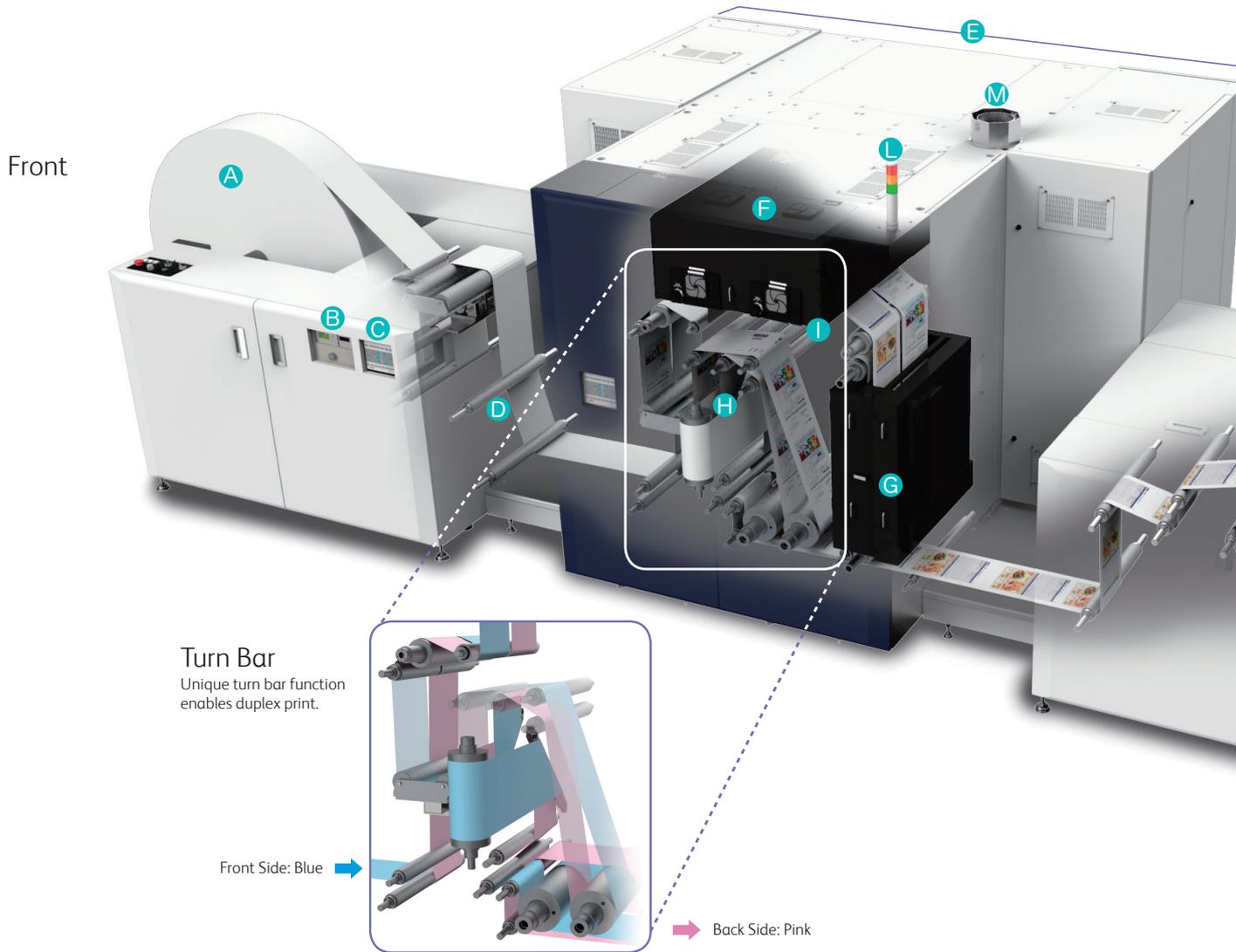


1400 Inkjet Color Continuous Feed Printing System (Model-S2H)

Full-colour continuous feed high-speed inkjet printer

Inside Structure

A state-of-the-art printing system offering unsurpassed performance while reducing cost and operator involvement.



Productive, attractive, and effective. That's how everyone wants it when it comes to printing statements, direct mailers, books, and more. With the FX1400 Inkjet Color Continuous Feed Printing System, you get it all. Above and beyond its impressive printing architecture, this is a comprehensive machine that will give your business a boost with a host of powerful tools, services and solutions.

A Unwinder

The paper feeder supplies continuous roll paper to the inkjet unit. It can be installed to feed paper either upwards or downwards. In addition, it adjusts the paper-load position semi-automatically so that paper is fed to the same position throughout the print run.

B Tension Controller

The tension controller assures that paper tension remains constant, helping to stabilise paper feed during high-speed printing.

C Edge Positioning Control

This monitors paper movement and positioning, it adjusts any misalignment of the paper path for a smooth printing process.

D Paper Dust Removing Roller

This adhesive roller removes paper dust from the surface of roll paper to keep the inkjet unit dust-free, reducing the occurrence of problems such as debris and inkjet malfunctions.

E Inkjet Unit

The inkjet unit performs printing on continuous roll paper as well as dries the printed paper.

F Print Head Box

The print head box houses the print head.

G Dryer

The dryer dries the ink on the printed output.

Back



Controller

The controller provides capabilities to process input data and control the printer. With our unique developed RIP accelerator board built in it, the controller achieves faster data conversion, especially for PDFs.



Chiller

The chiller circulates water through the printer to cool paper after it has dried.



Air Compressor

This supplies air to each unit in the system, making it easier to perform certain operations such as loading and unloading paper.



H Turn Bar

The turn bar reverses the print side.

I Operation Panel

Featuring a touch panel, the system includes a GUI that displays easy-to-understand instructions such as how to operate the various units and run print jobs. It also lets you quickly check system status.

J Rewinder

This winds the printed output from the inkjet unit. The unit can be installed to wind paper either upwards or downwards.

K Touch Roller

A touch roller is included to reduce wrinkling that occur when output is wound up. It also may allow you to see both sides of output.

L Attention Light

Stay abreast of the system status with the attention light. This alerts you when the system requires attention, allowing you to determine system status at a glance even from afar.

M Exhaust Duct

The exhaust duct vents hot air and water vapor caused by drying of printed paper to outside of the machine.

N Ink Pack Container

This is where ink packs, which supply ink to both ink containers, are installed.

O Reserve Tank

Convenient buffer tanks store spare ink from the ink packs, allowing you to replace packs on the fly without interrupting print jobs, thereby increasing your productivity.

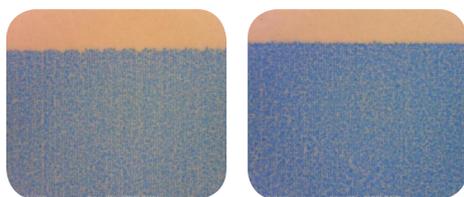
Quality Across Every Page

The Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System is built with state-of-the-art technologies to ensure high-quality print across every page. A crystal-clear resolution of 600 dpi is easily achievable with this printing machine that produces 2.1 billion drops of ink per second.

Achieve picture-perfect colour tone

To ensure we get your colour right, we have included the latest 2nd generation Piezoelectric Drop on Demand technology into the new Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System. The Piezoelectric system uses voltages to control the size of ink droplets so that the right amount of ink lands on the paper. Working seamlessly with all 20 of the 40kHz Print Heads, the Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System produces more than 2.1 billion drops of ink per second to give you faster, high resolution, and clearer prints, every time. On top of that, the lifespan of your print heads are extended thanks to latest 2nd generation and the use of high-quality pigmented ink, thus minimising your downtime.

Acoustic cross-talk caused the 1st generation print head to have some periodic image defects. Refer to the diagram below for a better comparison between the 1st and 2nd generation print head.



1st Generation Print Head

2nd Generation Print Head

For added assurance, our specialists are certified by Fogra Forschungsgesellschaft Druck e.V., a graphic technology research association, to ensure that the Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System meets the international standards for producing high-quality digital print.

Enhance your printing performance

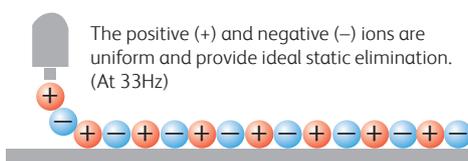
The Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System houses a Programmable Logic Controller (PLC) that controls the operation of the Inkjet Print Tower, Unwinder, paper transport, ink supply, as well as the Rewinder. Extremely robust, the PLC is capable of accelerating to a maximum speed of 100 metres per minute in just five seconds. Programmed to perform with superior reliability, the PLC will ensure speedy production without compromising on print quality.

Newly formulated ink quality

The new Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System ink boasts a wide gamut of capabilities. Using high-quality pigmented ink, this robust printing machine will deliver superior quality prints with water-fast capabilities, ensuring your prints will never smudge should it ever comes into contact with water. On top of that, your print will remain its superior colour for many years to come.

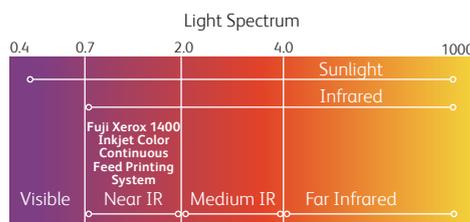
Printing with precision

Located in Tower of the printer, the Ion Neutralisers eliminate static electricity from the paper before the Print Head starts printing. Without any static electricity left on the paper, each drop of the ink will land exactly where it should, thus ensuring that the high quality of the image is consistent across every print.



Dry it with efficiency

When a printer produces high-quality prints at a rapid pace, it is paramount to ensure that the ink on the paper dries fast enough to avoid smudging during the collation process. To that end, we installed a carbon heater, a type of near infrared heater, in tower of the printing machine to help speed up the drying process. Using carbon as a heat element, the dryer dries only the printed area, thus minimising the use of energy, rendering this machine to be more environmentally friendly. Also, the carbon heater reduces the electromagnetic radiation and minimises interference with other devices using less metal shielding, resulting in a lighter machine.



Give Your Productivity a Boost

In this competitive business world, productivity is everything. Fuji Xerox took that into consideration when designing the Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System. With this new printing architecture, you can be assured that your print jobs will be completed with the highest level of performance and efficiency.

Print it fast, print it sharp

The Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System impresses with a rapid printing speed of 100 meters per minute, as well as clarity in resolution at 600 dpi. These are achieved by combining two robust print engines to work seamlessly as one parallel-printing machine, thus giving you the ability to achieve more. 60 seconds is all it takes to produce 656 A4 personalised mailers.

Automated paper positioning tool for precise printing

Other than high-quality prints and high-speed printing, the Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System also ensures that the printing alignment and registration are kept in order. The Unwinder and 2nd tower of the printing machine are packed with Edge Positioning Control (EPC), a system that detects the paper's position and adjusts the running paper accordingly so that the image will be printed at the correct position.

The right paper tension for perfect print registration

Creases on paper may cause unsightly prints. To prevent that, the Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System uses a tight tension system that stretches all the way from the Unwinder to the Rewinder to provide you with accurate registration. Fuji Xerox also understands that a tension system that may cause papers to be torn, thus disrupting your printing process and eating into your productivity. That is why a Speed Monitoring System is installed in the printer to promptly notify you should there be a break in the web. This way, you can ensure that your productivity level never falls below 100%, and that your uptime will always be maximised.

A self-cleaning print head

As a key component of the printing machine, the Print Head needs to stay clean at all times in order to be efficient. The Automatic Print Head Cleaning System will help to maintain the Print Head, thus ensuring that every image produced is of the highest quality.

Ink Saving Mode

Using the right amount of ink reduces wastages. The Fuji Xerox 1400 Inkjet Color Continuous Feed Printing System helps you to achieve that by optimising your ink density to match the ink consumption to your print requirements. Choose between three modes, namely Light, Normal, and Deep. No matter what mode you choose, you can be sure that your image output still remains its high quality.

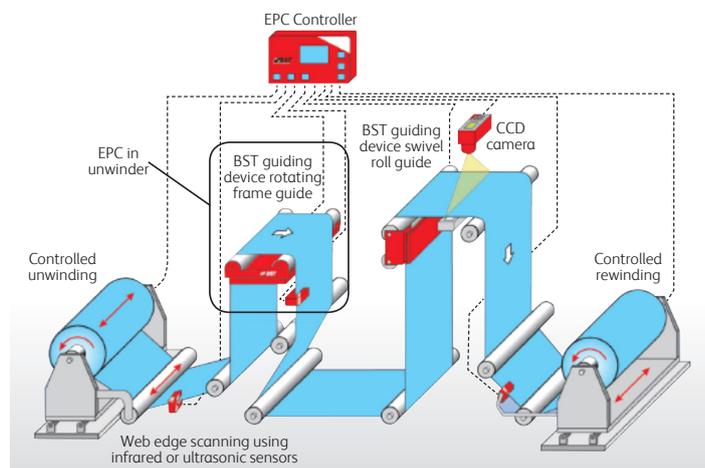
Print more, print faster

Print time is also reduced by simultaneously ripping (a process that converts texts and images into a raster image known as a bitmap) and printing, as opposed to the traditional method that commences printing only after all ripping is completed.



Service support anytime you need it

As a commitment to you and your business, Fuji Xerox will provide you with a suite of Remote Services to increase your reliability, uptime, and productivity. Our dedicated specialists will proactively analyse the engine for image quality and status to predict potential problems. In the unlikely event of a downtime, our specialists will be able to assist you immediately, thus minimising your downtime.



Printing That Meets Needs And Exceeds Expectations

Meet printing performance at its best, in a machine that does it all with ease and efficiency. The FX1400 Inkjet Color Continuous Feed Printing System offers all the advantages of speed and high resolution, plus a huge degree of flexibility to meet virtually any printing need. From statement to direct mailers and even books, you get to print exactly the way you want to, as much as you want to.

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You will be surprised what the right printing solution can do for your business. With FX1400 Inkjet Color Continuous Feed Printing System, you not only enjoy high quality printouts that are guaranteed to impress, but also marketing features that help get your message across in a big way.

White Paper Concept

If, like everyone else, reducing costs is one of your big objectives, this is one machine that will answer to your needs. Migration to this printer is easy and affordable, and once you get started, you will appreciate its many advantages. First off, it eliminates the need for a preprinted form. And also dramatically reduces usual supply chain expenses such as for transportation, warehousing and last minute changes.

The TransPromo and Transactional Printing Solutions that come with the machine means your printing will have more value. Together, they allow you to insert specific marketing

messages into typical transactional printouts such as bills and monthly statements, turning every printed page into a powerful tool to communicate with your customer. Variable Data Print (VDP) solutions allow you to customize the contents of your promotional materials, making them more focused and targeted.

Direct Mailers

There's no better way to engage your customer one-on-one than using direct mailers. With a personalized concept, your mailers can become a killer tool to pull in maximum response from targeted customers:

- Make a personal connection with customers using one-of-a-kind direct mailers
- Capture attention with brilliant, high-quality colours
- Produce outstanding pieces with unique shapes, folds and cuts
- Churn out up to 656 direct mailers in just one minute

Books

Whether you are printing one book or one thousand, time and cost will never be an issue again. With the FX1400 Inkjet Color Continuous Feed Printing System, you won't have to worry about things such as costly inventory management or expensive

start-ups for low volume printing:

- Get books printed with short turn-around time
- Save time on manual compilation with automatic collation
- Test titles or serve niche markets with small print runs
- Reduce inventory costs by printing only when required



Grow your Business with Fuji Xerox

With decades of experience in books-on-demand publishing and variable data printing in transactional and service bureau environments, Fuji Xerox is committed to helping your business achieve greater heights.

As a valued customer, you will have access to a host of Business Development Tools and Services.

Business Development Services

Fuji Xerox provides you with a host of business development consulting services to create a winning business plan, help you to transform your business with more value, calculate precise return on investments, or even develop new applications to effectively grow your digital printing business. Fuji Xerox's Business Development Services, with a dedicated team in each country, is positioned to help you to make the transition to inkjet printing and ultimately succeed.

Colour Management System

Fuji Xerox has many years of experience in colour through a broad range of cut-sheet and continuous-feed printers. With years of experience getting the right tone of colour is never easy, considering how colour can be a moving target at times. Fuji Xerox's Colour Management System can help you to better grasp the concept of colour management so that repeated and accurate colours can be achieved quickly and easily.

Premier Partner

As a premier partner at Fuji Xerox Global Network of Premier Partner, a tight-knitted community that is made up of innovative printers in the world, you will receive valuable insights, news, and trends within the printing industry. You will also get to list your business on a customisable page on our global directory. Enjoy exclusive rates to conferences and networking events organised by Fuji Xerox, as well as access to premium content on InfoTrends and WhatTheyThink.com.



Specifications for 1400 Inkjet Color Continuous Feed Printing System

Specifications

Item	Description
Printer Configuration	Single Engine Duplex
Colour Capability	Full Colour
Print Head	Piezo drop on-demand inkjet method 2,656 nozzles/head 40 kHz drive frequency
Print Resolution	600 x 600 dpi
Drop Size	4 levels per drop 5,8 and 11 picoliters
Warm-up Time*1	16 minutes or less (when the room temperature at 20 to 26 and the humidity at 30 to 60% RH)
Continuous Print Speed*2	656 pages/minute (equivalent to printing on A4 cut sheet, in duplex or 2up Simplex)
Paper Sizes*3	Paper width: 152.4 to 520.7 mm (Simplex printing) Paper width: 152.4 to 254 mm (Duplex printing)
Paper Weight*4	64 to 157 g/m ² Total weight 55 to 135 kg (duodecimo)
Paper Feed	Paper feed device connected (maximum roll diameter: 1,270 mm)
Paper Discharge	Paper discharge unit connected (maximum roll diameter: 1,285 mm)
Paper Feed Speed	Maximum 100 m per minutes
Noise Level*5	During operation: 82 dB(A) or lower
Power Supply	AC 200 V±10%, 180 A, 50/60 Hz (three-phase three-wire)
Power Consumption	62.3 kVA or less
Dimensions (W x D x H)*6	W 5,900 x D 2,490 x H 1,780 mm W 7,100 x D 2,490 x H 1,780 mm (with the inspection unit)
Installation Space	W 8,900 x D 6,388 mm W 10,100 x D 6,388 mm (with the inspection unit)
Weight	5,479 kg 6,389 kg (with the inspection unit)

*1: Not including inspection and purge time. May take 16 min or more depending on environment.

*2: When continuously printing the same document. Continuous printing speed may be lower depending on output conditions such as data.

*3: 15 mm on the left and right cannot be printed on.

*4: The paper weight range does not guarantee that all paper can be used. It is recommended that you use the paper specified by Fuji Xerox. For information on other paper, contact your Fuji Xerox sales representative.

*5: Measured according to the Germany BG (Berufsgenossenschaften) standard.

*6: Not including the paper feeding roll, paper output roll, and attention light.

External Controller (1400 Print Server 2)

Item	Description
Position	External
CPU	Intel® Xeon® Processor E5-2630 v2 (2.6 GHz) x 4
Storage devices	Hard disk drive: 1TB x 2,500GB x 32, 300GB x 28 DVD ROM Drive
Memory	96GB (Maximum: 96GB)
Server OS	Windows Server® 2008 R2 for Embedded Systems English Version (Service Pack 1)
Installed fonts (PostScript®)	170 European fonts 12 Japanese fonts (Ryumin L-KL™, Middle Gothic BBB™, Bold Mincho A101™, Bold Gothic B101™, Jun 101™, Midashi Gothic MB31™, Midashi Mincho MA31™, Shin Gothic L™, Shin Gothic M™, Shin Gothic B™, Heisei-Mincho™W3, Heisei-Kaku Gothic™W5)
PDL	Adobe® PostScript® 3™, VIPP, PPML
Data Format	Adobe® PDF version 1.7
Connectivity	Ethernet 1000BASE-T/100BASE-TX/10BASE-T Optional: 10Gb Ethernet SFP
Network protocol	TCP/IP (LP/LPR/FTP/IPP)
Power Supply	200 to 240 VAC, 15A, 50/60 Hz (single-phase two-wire with ground, four power sources)
Power Consumption	3.2kVA
Size	600 x 1,000 x 1,358 mm (L x W x H)
Weight*1	210 kg

* Standard configuration. (without UPS)

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