FUJIFILM
Value from Innovation

Full Colour High-speed Continuous Feed Inkjet Printing System

Jet Press 1160CFG

JetPress

High Productivity and Stability. High-speed full-colour printing faster, more expressive, and more appealing.

Our brand-new drying technology suppress fluctuations in paper condition, enabling stable print quality.

High productivity and stability

The Paper Stabilizer*¹ provides high productivity and stable print quality by regulating the amount of moisture in the paper before printing.

*1: Newly developed pre-drying technology.
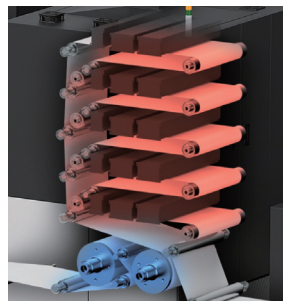
Advanced Drying Technology

With the enhanced drying technology, the printer delivers high-speed printing of 80 metres per minute*² even on thick coated paper.*¹ The drying technology is also effective against waviness and wrinkles on thin paper by minimising paper expansion and contraction.

*1: Up to 250 gsm.
*2: 1,200x1,200 dpi resolution

High Registration Accuracy

The pre-drying process provides highly consistent front and back registration by minimising rapid paper expansion and contraction. Furthermore, by regulating the amount of moisture in paper before printing, consistent front and back image quality is achieved.

Paper Stabilizer

High definition printing

Prints Beautifully on Offset Coated Paper

The newly developed aqueous pigment ink print beautifully on both coated and uncoated paper without primer.

Inner Structure

1 **Unwinder**
Lifting up/down heavyweight roll paper and paper alignment can easily and quickly be done with simple button operations. Furthermore, as it is directly connected to the printer, it can handle paper with high precision.

2 **Tension Controller**
Tension controller stabilise paper feed even at high printing speeds by maintaining constant paper tension.

3 **Edge Guide**
Automatically adjusts paper meandering, allowing stable printing.
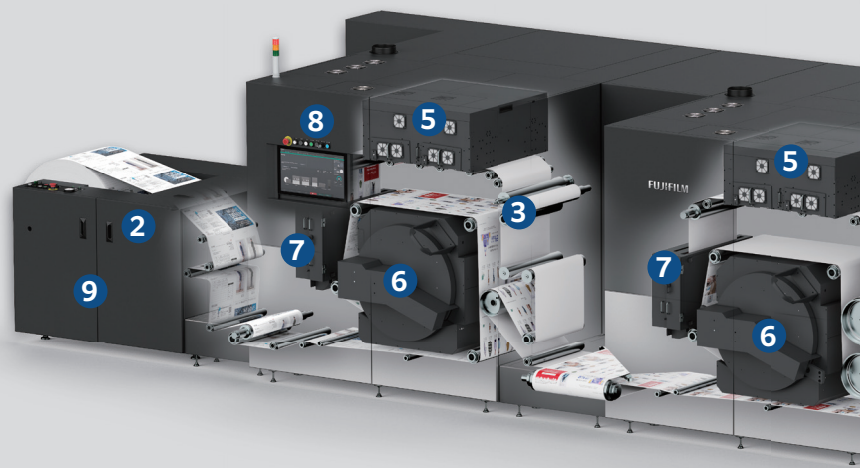
4 **Paper Stabilizer**
The pre-drying process regulates the amount of moisture in paper, allowing high productivity and print quality.

5 **Print Head Box**
The print head supports 1,200 x 1,200 dpi printing. A single dot can be expressed using up to three gradations, allowing smoother density transitions.

6 **Dryer**
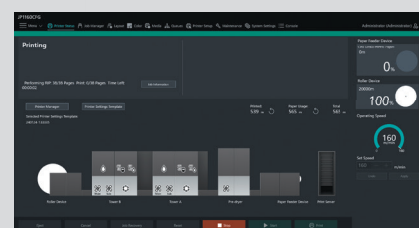Two types of drying technology are installed: heat drum and heat air dryer.

7 **Sub-Drying Unit**
Each tower has IR heaters installed, which efficiently dries the ink, minimisng paper deformation.

8 **Control Panel**
Machine operation is available through touchscreen interface.

continuous feed inkjet printer, bringing commercial
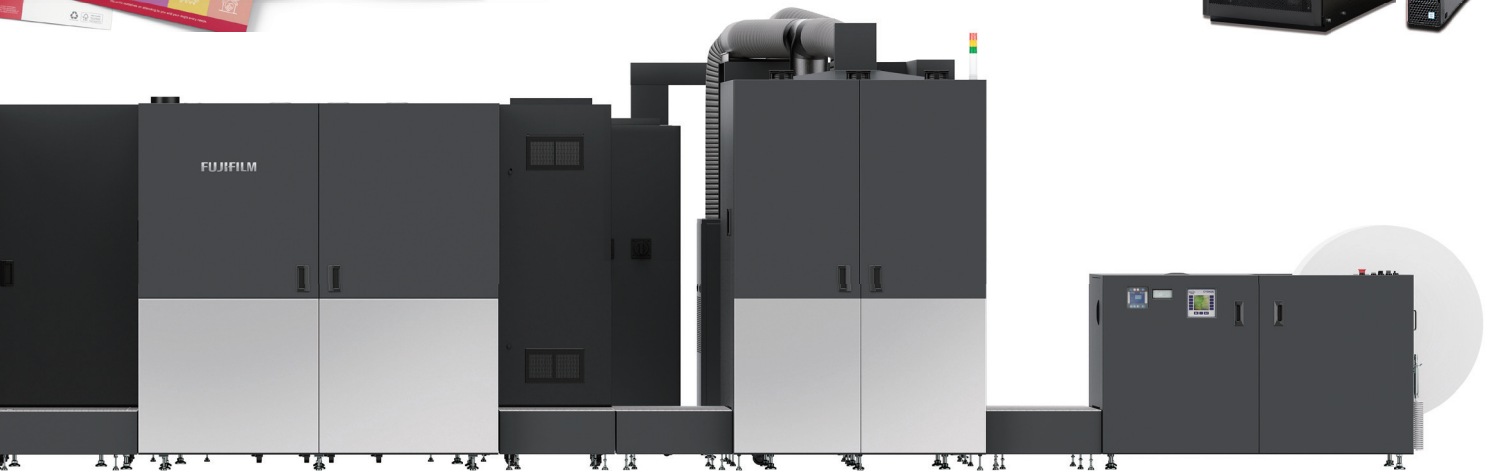
Fast Data Processing

Print server featuring Fujifilm Business Innovation's unique technology provides high quality output and rapid processing.

- Faster On-the-fly[1] printing
- High quality image data processing 1,200x1,200 dpi, 8 bit
- Supporting APPE[2] perfect for PDF output
- High-precision CMYK profiles
- High-speed, large volume printing of variable data (Mercury RIP, Industry standard PPML, PDF/VT-1, PDF/VT-2)
- Increased fault tolerance due to OS HDD redundancy
- Uninterruptible power supply (UPS)[3]

[1] Requires direct printing without creating raster data in advance.
[2] Adobe® PDF Print Engine
[3] This product is sold separately.

10 Ink Pack Cart
Four-colour ink packs are installed at the back of the printer. Each ink pack weighs approximately 20 kg, but replacement can be performed easily using the cart.

11 Chiller
The chiller circulates cold water to cool the paper after drying.
*Three chillers are required.

Slack Web Unit (Optional)
Printer can also be connected to 3rd party finishers (loose tension type) by using the slack web unit. The unit applies tension to roll paper instead of the rewinder.

9 Rewinder (Optional)
Both upper and lower windings are available. A touch roller is installed to prevent wrinkles while rewinding.

Specification of Jet Press 1160CFG

Basic Specifications / Print Function

Item	Description
Printer configuration	Twin Engine Duplex
Colour capability	Full Colour
Printing method	Piezoelectric drop-on-demand inkjet method
Printing resolution	Image Quality Priority : 1,200 x 1,200 dpi Speed Priority : 1,200 x 600 dpi
Halftone	3 levels per drop
Warm-up time*1	15 minutes or less (when the room temperature at 23°C)
Continuous print speed	Image Quality Priority : 80 m/minutes (1,048 ppm*2) Speed Priority : 160 m/minutes (2,096 ppm*2)
Paper size*3	Width 152.4 to 520.7 mm
Paper weight*4	64 to 250 gsm
Paper feed	Unwinder connected (maximum roll diameter: 1,270 mm)
Paper discharge	Rewinder*5 connected (maximum roll diameter: 1,270 mm)
Feeding speed	Maximum 160 m/minutes
Operating Noise*6	In operation: 79 dB(A)
Input power supply	Three-phase AC200 V +/-10 %, 50/60 Hz common, Power Capacity: 87 kVA (Printer) Three-phase AC400 V +/-10 %, 50/60 Hz common, Power Capacity: 208 kVA (Printer) Three-phase AC200 V +/-10 %, 50/60 Hz common, Power Capacity: 26 kVA (Paper Stabilizer) Three-phase AC400 V +/-10 %, 50/60 Hz common, Power Capacity: 104 kVA (Paper Stabilizer)
Dimensions*7	W11,100 x D4,355 x H2,380 mm (With rewinder) W10,300 x D4,355 x H2,380 mm (With slack web unit. Without rewinder)
Installation space*7	W15,100 x D6,300 mm (With rewinder) W14,300 x D6,300 mm (With slack web unit. Without rewinder)
Weight*7	13,105 kg (With rewinder) 12,555 kg (With slack web unit. Without rewinder)

*1: Start-up inspection time and purge time are excluded. It may take more than 15 minutes depending on the installation environment.
*2: A4 size page x 2 layout and duplex printing. When printing a single document continuously. The continuous print speed may decrease due to conditions such as output data.
*3: A margin of 15 mm on left and right edges of paper is the unprintable area when the Gripper Roller is set on the edge area of the paper.
*4: It is restricted on printing speed with the paper over 157 gsm.
*5: Optional.
*6: Measurement based on the ISO11204 standard.
*7: Unwinder (standard), rewinder (optional), slack web unit and other necessary units are connected. Excludes roll paper (feed/rewind), attention light and chiller. Includes inks.

Print Server [Print Server for the Jet Press 1160CFG]

Item	Description
Type	External
CPU	[Centre Processor] Intel® Xeon® E-2276G Processor 3.8 GHz [Back End Processor] Intel® Xeon® Gold 6230 Processor 2.1 GHz x 4
Storage device	[Centre Processor] HDD: 1 TB x 2 + 2 TB x 1, DVD-ROM drive [Back End Processor] HDD: 1 TB x 6, SSD: 1.6 TB x 14, 800 GB x 8, DVD-ROM drive
Memory capacity	[Centre Processor] 32 GB (Max 32 GB) [Back End Processor] 384 GB (Max 384 GB)
Server operation system	[Centre Processor] Windows Server IoT 2022 Standard [Back End Processor] Windows Server IoT 2022 Standard
Page description language	Adobe® PostScript® 3™, PDF/VT-1, PDF/VT-2, PPML
Print data format	PS, PDF2.0, PDF/X-1a, PDF/X-3, PDF/X-4, PDF/X-5, EPS, TIFF, JPEG
Interface	Ethernet 1000BASE-T / 100BASE-TX / 10BASE-T
Network protocol	TCP/IP (lpr, FTP, SMB)
Input power supply	[Centre Processor] AC100-240V+/-10 %, 50/60 Hz common, Power Capacity: 0.25 kVA [Back End Processor] AC200-240 V+/-10 %, 50/60 Hz common, Power Capacity: 6.4 kVA (3.2 kVA x 2)
Dimensions	[Centre Processor] W 98 x D 400 x H 340 mm [Back End Processor] W 700 x D 1,050 x H 2,000 mm
Weight	[Centre Processor] 11 kg*1 [Back End Processor] 300 kg*2

Note: This Print Server is configured with Center Processor and Back End Processor.
*1: Excludes monitor, mouse and keyboard.
*2: Includes console monitor, mouse, keyboard and touch pad.

1. To comply with paper weight specifications, it is recommended to use our recommended paper. Document may not be printed correctly depending on usage conditions.
2. Functional spare parts will be available for at least 7 years after the product is no longer manufactured.

Adobe PostScript   Adobe PDF Print Engine

FUJIFILM

FUJIFILM Business Innovation Corp.

fujifilm.com/fbglobal

The available model varies depending on the country/region. Please ask the sales representatives for details.

The product specifications, appearance and other details in this brochure are subject to change without notice for improvements.

Reproduction Prohibitions Please note that reproduction of the following is prohibited by law : •Domestic and foreign currencies, government-issued securities, and national bonds and local bond certificates. •Unused postage stamps, post cards, etc. •Certificate stamps stipulated by law. •Reproducing works forming the subject matter of copyright (literary works, musical works, paintings, engravings, maps, cinematographic works, drawings, photographic works, etc.) is not permitted unless the reproduction is for the purpose of personal use, family use or other similar uses within a limited circle.

⚠ **For Your Safety**
Before using the product, read the Instruction Manual carefully for proper use. Use the product with the power source and voltage specified. Be sure to establish ground connection. Otherwise, electronic shock may result in the case of a failure or short circuit.

The information is as of May, 2024.   NM-0019 EU (2405)