FUJIFILM
Value from Innovation

High-speed Continuous Feed Inkjet Printing System

Jet Press 1160CF

JetPress

Printing with a high level of productivity and quality

The highest printing density in the industry (in 160 m/min continuous paper inkjet printer class)

High Performance

Full-colour printing at 160 m/min*¹

The printer can print in full colour at a maximum speed of 160 m/min, which is equivalent to 2,096 pages per minute on precut A4 paper*².

Mass batch prints of tens of thousands of pages may be created at high speeds through the use of the unwinder and rewinder*³

This ensures great productivity and stable processing for high-volume/short-duration print jobs such as trans-promo materials and invoices.

*1: Speed priority mode (1,200x600 dpi)
*2: Two-sided printing with dual layout of A4 pages
*3: Optional

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: A product sold by Fujitsu. Two units are required.

High Quality

Pigment Inks with High Concentrations

High-quality printing is achieved using high-concentration pigment ink which is suitable for both uncoated paper and matte-coated paper.*

*: Customers have the option to choose between 2 types of ink listed below.
  - Ink for uncoated paper
  - Ink for both uncoated and matte coated paper

High-quality, high-definition prints up to 1,200 x 1,200 dpi

Printer can produce output image with great resolution:
- 1,200 x 600 dpi (with a print speed of 160 m/min)
- 1,200 x 1,200 dpi (with a print speed of 80 m/min)
It prints characters and numbers clearly.

Inner Structure

1 Print Head Box

The print head supports 1,200 x 1,200 dpi printing.
A single dot can be expressed with up to three gradations, allowing smoother density transitions.

2 Dryer

Two types of drying technology are installed: heat drum and heat air dryers.
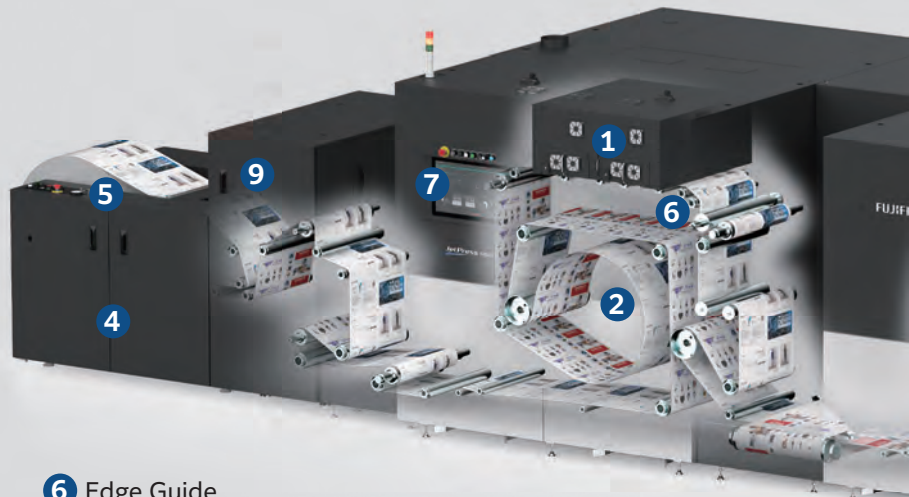
3 Unwinder

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.

4 Rewinder (Optional)

Both upper and lower windings are available. A touch roller is installed to prevent wrinkles while rewinding.

5 Tension Controller

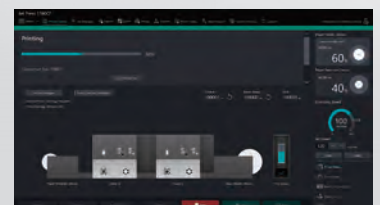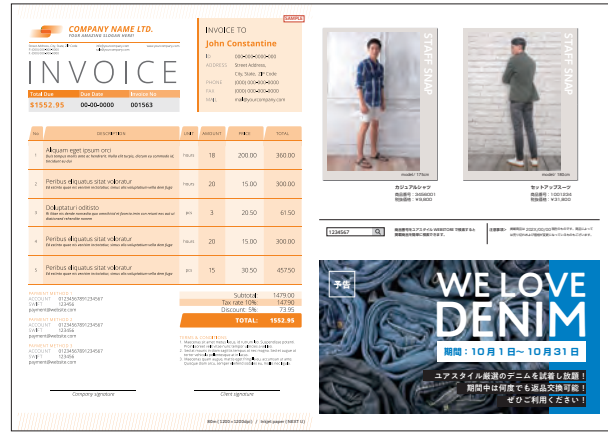Tension controller stabilise paper feed even at high printing speeds by maintaining constant paper tension.

6 Edge Guide

Automatically adjusts paper meandering, allowing stable printing.
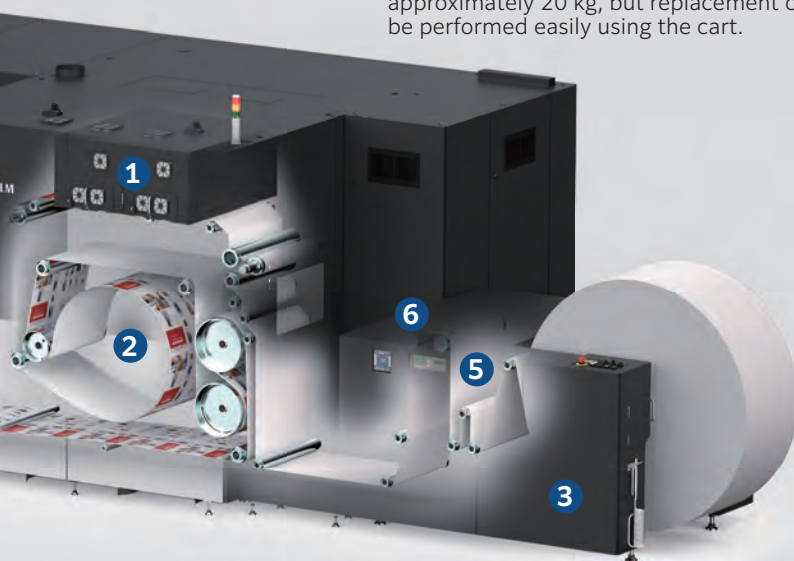
7 Operation Panel

Machine operation is available through touchscreen interface.

8 Cart Ink Pack

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.

9 Inspection Box (Optional*)

Capable to house an inspection system that is used for detection of print quality issues and variable data errors.

*:Inspection box availability varies depending on destination country. Please contact our sales representative for details.

10 Chiller

The chiller circulates cold water to cool the paper after drying.

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.

Specification of Jet Press 1160CF

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: 70 kVA (Printer) Three-phase AC400 V +/-5 %, 50/60 Hz common, Power Capacity: 140 kVA (Printer)
Dimensions*7	W8,600 x D2,482 x H1,880 mm (With rewinder) W7,800 x D2,482 x H1,880 mm (With slack web unit. Without rewinder)
Installation space*7	W12,600 x D5,700 mm (With rewinder) W11,820 x D5,700 mm (With slack web unit. Without rewinder)
Weight*7	9,337 kg (With rewinder) 8,887 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 1160CF]

Item	Description
Type	External
CPU	[Center Processor] Intel® Xeon® E-2276G Processor 3.8 GHz [Back End Processor] Intel® Xeon® Gold 6230 Processor 2.1 GHz x 4
Storage device	[Center 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 2 (Optional 1.6 TB x 12), 800 GB x 8, DVD-ROM drive
Memory capacity	[Center Processor] 32 GB (Max 32 GB) [Back End Processor] 384 GB (Max 384 GB)
Server operation system	[Center 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, IPDS*1, AFPDS*1
Interface	Ethernet 1000BASE-T / 100BASE-TX / 10BASE-T
Network protocol	TCP/IP (lpr, FTP, SMB)
Input power supply	[Center 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	[Center 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	[Center Processor] 11 kg*2 [Back End Processor] 300 kg*3

Note: This Print Server is configured with Center Processor and Back End Processor.
*1: Optional.
*2: Excludes monitor, mouse and keyboard.
*3: 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