

Once again, Roland raises the bar on digital printing technology

The extraordinary Hi-Fi JET PRO represents the highest quality Piezo inkjet printing available today. New print head technology and Roland's innovative engineering combine to offer several unique advantages.

- The Hi-Fi JET PRO is the first wide format printer to utilize drop-on-demand variable droplet technology in addition to multi-drop on-demand inkjet printing. Three different size droplets are used to achieve ultra-high resolution printing and enhanced color control.
- The Hi-Fi JET PRO employs 8-color printing. Options include running two sets of CMYK for greater speed, or combining CMYK with orange and green plus light cyan and light magenta. The latter combination results in unequalled gradations, smooth color shifts and greatly expanded color gamut.
- Finally, the Hi-Fi JET PRO effectively prints in 1440x1440 dpi, delivering exceptional resolution.

V8 Printing Technology™

Variable droplets offer several advantages over fixed-dot or multi-drop on demand inkjet printing.

Smoother transitions between colors: Because there are different combinations of droplet sizes, there are more color mixes available. With three different droplet sizes, the Hi-Fi JET PRO can produce nine different color combinations in a single dot.

Improved color matching: While mixing colors in four or six-color process allows for a large number of colors, many more color mixing options are available with variable droplets, providing improved color matching.

This 20x magnification of a Hi-Fi JET FJ-50 print (on left) and a Hi-Fi JET PRO FJ-500 print (on right) illustrates the dramatic improvement provided by V8 Printing Technology.



FJ-50 Super Mode



FJ-500 Variable Super Mode

A Wide Range of Resolutions and Speeds for Increased Versatility

Color Mode	Print mode	Resolution (dpi)	Pass	Printing time
4	DRAFT	540x360	3	127 sqft/hr
4	NORMAL	720x720	8	75 sqft/hr
4	SUPER	1080x1080	18	36 sqft/hr
4	VARIABLE PHOTO	1440x1440	32	16 sqft/hr
8	DRAFT	540x360	3	79 sqft/hr
8	NORMAL	720x720	8	42 sqft/hr
8	VARIABLE NORMAL	540x1080	9	30 sqft/hr
8	SUPER	1080x1080	18	20 sqft/hr
8	VARIABLE SUPER	720x1440	16	17 sqft/hr
8	VARIABLE PHOTO	1440x1440	32	6 sqft/hr

Introducing the Hi-Fi JET PRO

The "V" stands for variable droplets.
The "8" stands for 8 colors.
The results stand alone.



Hi-Fi JET PRO FJ-400/500

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Specifications	Hi-Fi JET PRO Model FJ-500	Hi-Fi JET PRO Model FJ-400
Print head technology	Dual head, 96 nozzle Piezo Inkjet	
Printing width	8-5/16 to 53-9/16 in. (210 to 1361 mm)	8-5/16 to 43-9/16 in. (210 to 1107 mm)
Acceptable material widths	8-5/16 to 54 in. (210 to 1371 mm)	8-5/16 to 44 in. (210 to 1117 mm)
Width of material that can be cut off	8-5/16 to 54 in. (210 to 1371 mm)	8-5/16 to 44 in. (210 to 1117 mm)
Conditions for usable materials	Maximum material thickness: 0.039 in. (1.0 mm) (When head is raised) Maximum diameter for roll material: 7-1/16 in. (180 mm) Core inner diameter for roll material: 2 in. (50.8 mm) or 3 in. (76.2 mm) Maximum weight for roll material: 44.1 lb. (20 kg)	
Ink cartridges : Pigment	Use only pigmented ink cartridges exclusively for use with the HI-FI JET. Capacity: 220 cc ±5 cc Colors: The four colors black, cyan, magenta, and yellow or the eight colors black, cyan, magenta, yellow, orange, green, light cyan, and light magenta	
Ink cartridges : Dye-based	Use only dye ink cartridges exclusively for use with the HI-FI JET. Capacity: 220 cc ±5 cc Colors: Cyan, magenta, yellow, and black	
Printing resolution	1440 x 1440 dpi / 720 x 1440 dpi / 540 x 1080 dpi / 1080 x 1080 dpi / 720 x 720 dpi / 540 x 360 dpi	
Print Margin	Front edge: 2-13/16 in. (70 mm) , Rear edge: 4-1/4 in. (107 mm), Left and Right: 0 in. - 0.394 in. (0 mm-10 mm) variable, default: 0.394 in. (10 mm) Margin between pages: 0 in. - 7-7/8 in. (0 mm - 200 mm) variable, default: 0.394 in. (10 mm)	
Distance accuracy	Error of less than ±0.3% of distance traveled, or 0.3 mm, whichever is greater (on Roland PET-film, print travel: 39-3/8 in. (1 m))	
Printing heads cleaning	Automatic cleaning and manual cleaning	
Interface	Bi-directional parallel interface (compliant with IEEE 1284: ECP mode) and Ethernet 10Base-T or 100Base-TX	
Instruction system	RD-RTL, RD-PJL	
Power consumption	Printing mode Maximum: 1.3A/100V—240V ±10% 50/60 Hz	Standby mode Maximum: 0.5A/100V—240V ±10% 50/60 Hz
Acoustic noise level	Printing mode 60dB (A) or less (According to ISO7779)	Standby mode 40dB (A) or less (According to ISO7779)
Dimensions (With Stand)	88-7/16 in. [W] x 29-3/16 in. [D] x 48-7/8 in. [H] (2246 mm [W] x 740 mm [D] x 1241 mm [H])	78-7/16 in. [W] x 29-3/16 in. [D] x 48-7/8 in. [H] (1992 mm [W] x 740 mm [D] x 1241 mm [H])
Weight (With Stand)	257.9 lb. (117 kg)	238.1 lb. (108 kg)
Environment	Power on : Temperature: 59 to 89.6 °F(15 to 32 °C), Humidity: 35 to 80% (non-condensing) Power off : Temperature: 41 to 104 °F(5 to 40 °C), Humidity: 20 to 80% (non-condensing)	
Included items	FJ-500/400 main unit: 1, stand leg: 1, caster flats: 2, media guide: 1, media cover: 1, stays: 2 (for place the media guide), bolts (large): 14, bolts (small): 4, hexagonal wrench (M6): 1, pipe: 1, media flanges: 2, flange retaining pins: 2, washers: 6, drain bottle: 1, replacement blade for separating knife: 1, cleaning kit: 1 (cleaning sticks: 10, tweezers: 1 pair, and sponges: 10), power cord: 1, Roland-PrintServer CD-ROM: 1, Roland-PrintServer Software Quick Installation: 1, Roland-PrintServer for Macintosh users: 1, Roland ColorChoice® CD-ROM: 1, Roland ColorChoice® installation guide: 1, User's Manual: 1, and Unpacking, Assembly, and Installation Guide: 1	



Major Features

- V8 Printing Technology™ -- variable droplets plus 8-colors (Can be configured as 8-colors or double CMYK)
- 1440x1440 dpi resolution
- PANTONE® Color matching (certification ongoing)
- Brilliant dye inks
- Widest gamut UV-stable pigment inks available
- 52" and 42" print widths available
- Includes Roland ColorChoice® 4.0 RIP for Mac® and PC
- Ethernet connectivity



8 ink cartridges



new user interface

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