UJF-605RII
UV INKJET PRINTER

Mimaki

Direct Digital Color Proofing for gravure and flexographic packaging.

White ink and six-color UV-curable inkjet printer

NEW

UJF-605RII
ROLL TO ROLL.

■Specifications

Item		Specifications
Print head		Piezo-electric drop, on-demand
Resolution		300×300dpi, 600×600dpi, 1,200×1,200dpi, 1,200×2,400dpi
Ink		Original UV-curable ink（YMCKLmLc + White）
		400cc ink cartridge for each color
Maximum print area		600×500mm (23.6"×19.7")
Distant accuracy	Absolute accuracy	0.1mm (0.0039") or less
	Repeatability	±0.2mm (0.0078") or less
Perpendicularity		0.5mm / 500mm (0.0196" / 19.6")
Waste ink tank		Bottle type (2 liters) with sensor
Media size	Roll	Maximum width: 640mm (25.2")　Minimum width: 180mm (7.1")
		Weight: less than 25kg (55.0lbs.)
	Cut Sheet	640×520mm (25.20"×20.47")
Media thickness	Roll	0.02 to 0.2mm
	Cut Sheet	0.02 to 2.0mm
Media set device		Suction by air vacuum
UV device		Equipped with UV lamp
Interface		IEEE 1394 / IEEE 1284
Applicable standards		VCCI Class A, FCC Class A, ETL (UL 60950),
		CE Marking (EMC Directive, Low Voltage Directive), CB report, RoHS Directive
Power specification		Printer main unit / UV device, single-phase 200V-240V, 20A
Power consumption		4.0KVA or less
Operational environment	Temperature	15℃ to 30℃ (60°F to 80°F)
	Humidity	35% to 65% Rh
	Guaranteed temperature	18℃ to 25℃ (65°F to 77°F)
	Dust	Equivalent to normal office level
Weight		795kg (1,751lbs.) or less
Outer dimension（W×D×H）		2,340×1,920×1,530mm (92.1"×75.6"×60.2")
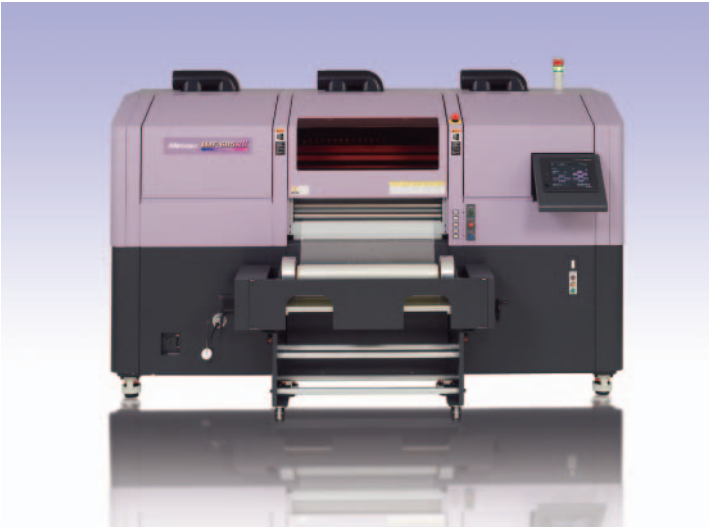
UJF-605RII
UV INKJET PRINTER

Color Management System

Colors of the finished products can be simulated by creating a targeted profile

Printing machine

*Creation of an input profile
*No ICC Profile should be created if it is already available

Mimaki Profile Master

UJF-605RII → Creation of a device profile

You need to purchase a color spectrophotometer separately

Output with the created ICC profile

ICC profile of printing machine (Input profile)

Raster Link Pro II

Color management
Device profile created

Printed matter

‖ Color matching completed

Printer output

Mimaki Profile Master

Newly-developed software to create profiles for "Raster Link Pro II".

● By creating target profiles, color management between final printed matter and print by UJF-605RII is now available.
● With ICC profile creation function, creating an input profile of color samples is now available.
● Pure colors can be made without tonal shifts, while intermediate colors with color matching can be reproduced smoothly.
● By using the profile creation wizard, all you have to do is to follow the instructions on screen. This way you can create profiles very easily.

Raster Link Pro II

Equipped with useful functions to make full use of UJF-605RII as well as providing color management tools.

● By showing the picture in a thumbnail-size image on the data list, the content is obvious at a glance.
● Multiple jobs can be edited and printed at the same time.
● White data is created from color images automatically and printed.
● Some parts of full color image data can be replaced by white ink.
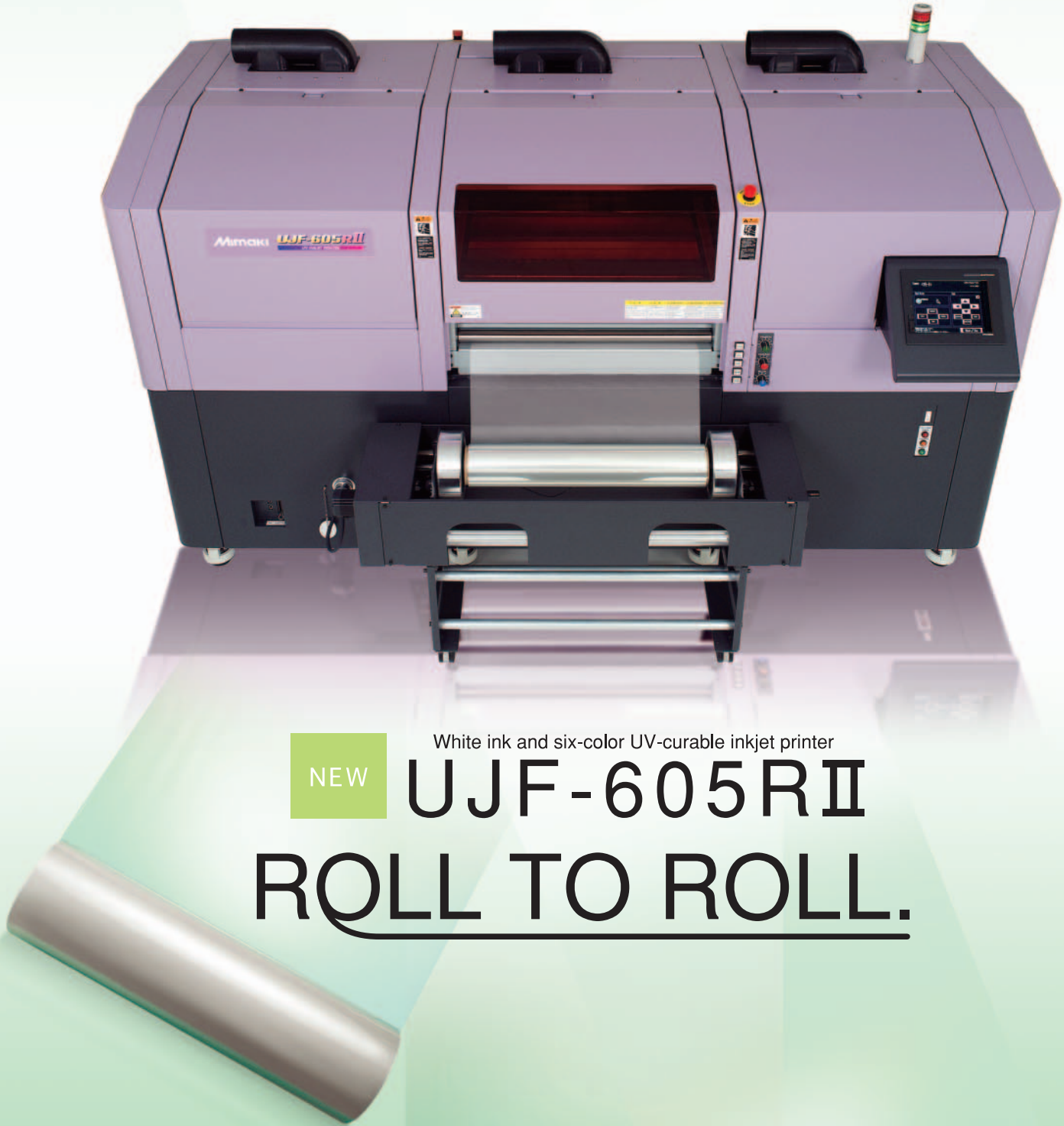
UV Curable Inkjet Printer UJF-605RII

Direct print on soft packaging film. New proofing system to dramatically lower running costs.

Feature	Description
UV curable ink	Direct print on soft packaging films
Roll to roll	Non-stop unmanned printing throughout the night
Flatbed design	Designed for precise multi-layer printing
Ozone-free configuration	The printer's UV lamp does not generate any ozone
1,200 x 2,400dpi	A precise and high quality image is printed
White ink + CMYKLmLc	Back printing with white ink on transparent or colored substrates
High speed and low cost	Proofing without cylinder engravings and flexo plates saves time and costs
VOC countermeasure	The printer uses UV-curable ink free of volatile organic chemicals

System configuration

Mac/Win — Adobe Illustrator／Adobe Photoshop／ArtWorker — **Design formation**

UJF-605RII Standard set
PC MACLAN
Win-Mac network-connnectable software
EPS/PS/JPEG/BMP/
ArtWorker Compojet PS

Win — Raster Link Pro II ／ Mimaki Profile Master — **RIP**

IEEE1394

Printer output UJF-605RII

FRONT
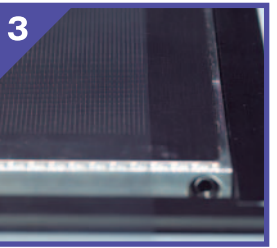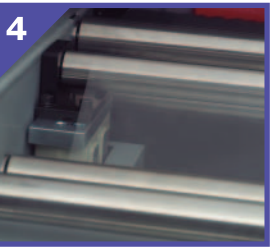BACK
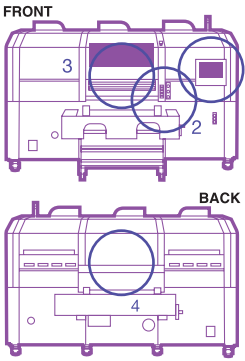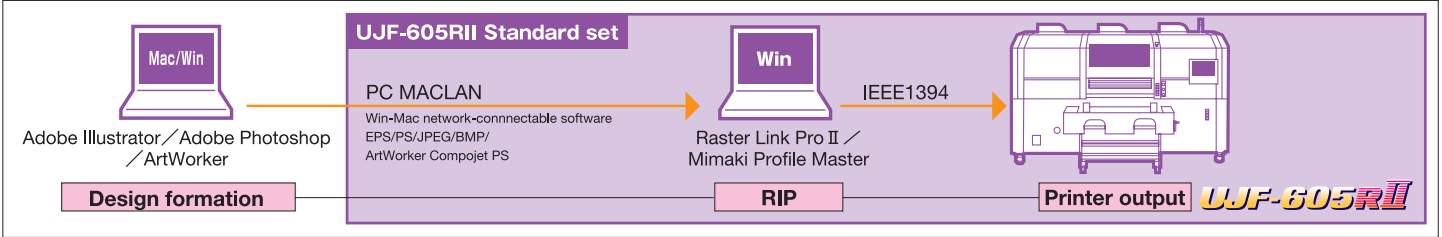
1 Touch-panel system
Uses a touch-panel system with easily operable and easy-to-view wide screen.

2 Sub-switches
While setting the media, you can perform fine adjustments of film feeding and fixing.
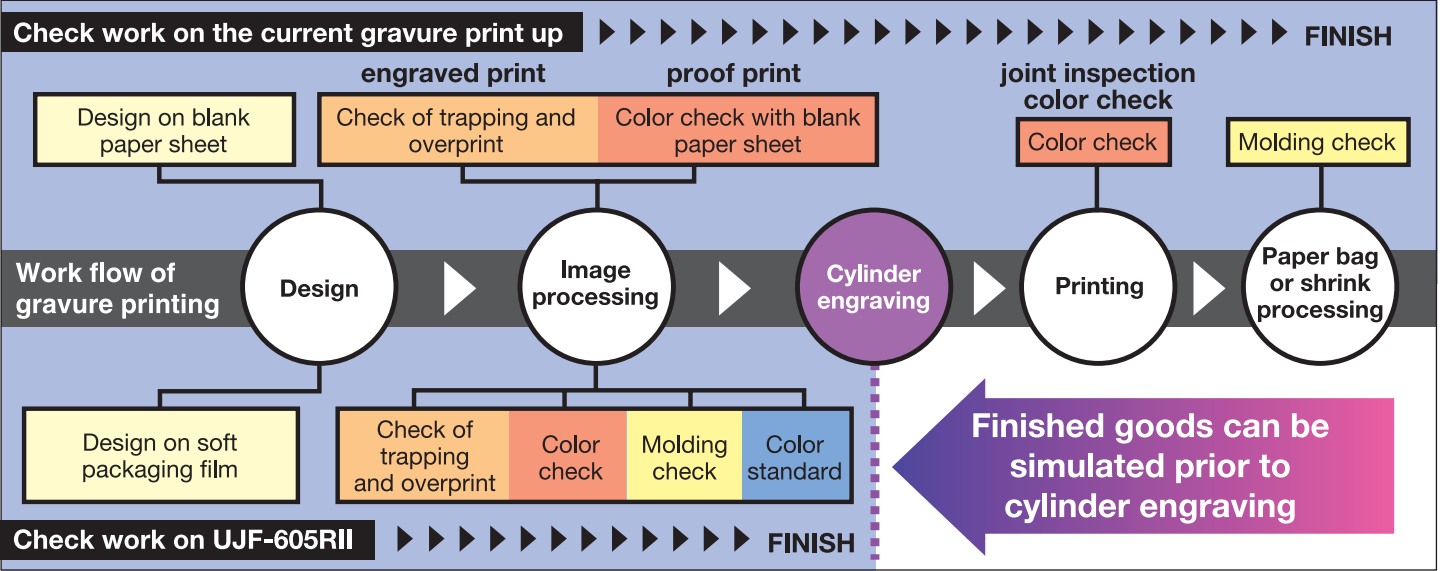
3 Vacuum table
With newly developed vacuum table, a thin film can be fixed without creasing.

4 Tension control function
The tension applied to the media is automatically controlled at the pre-set value.

Digital direct print saves time, cost and labor. A long-awaited unit for color-proofing, sample preparation, position confirmation and presentation of mold image.

You can not only confirm the color and position, but also save time and cost greatly compared to the conventional way. Moreover, since it can print directly on soft packaging films, the final products can be simulated such as confirmation of bag shape before engraving of the cylinder.

Check work on the current gravure print up ▶▶▶... **FINISH**

	engraved print	proof print		joint inspection color check
Design on blank paper sheet	Check of trapping and overprint	Color check with blank paper sheet		Color check / Molding check

Work flow of gravure printing: Design ▶ Image processing ▶ Cylinder engraving ▶ Printing ▶ Paper bag or shrink processing

| Design on soft packaging film | Check of trapping and overprint | Color check | Molding check | Color standard |

Check work on UJF-605RII ▶▶▶... **FINISH**

Finished goods can be simulated prior to cylinder engraving

Roll to roll enables continuous operation. It saves greatly the works of the operators.

As the machine is compatible with roll media, you can perform continuous printing as you like. It can make multiple sheets of color proofs and samples at one time, which can save the operator's a great amount of work. Further, you can propose to your customers not only the design but also a mock-up sample.

Testing will be required for mold processing.

Because of highly precise positioning, multi-color overlaying can be performed without difficulty.

It is now possible to make highly precise positioning of white data and color data. You can confirm the design processing such as white color gradation, trapping and overprint on the soft packaging film which could not be checked by paper proofing.

Crossing of distinctive gradations is also possible.

Design of crossing of distinctive gradations can be confirmed not only on the screen but also on the printed material. Since it can make direct prints on soft packaging films, the simulating of actual crossed colors can be performed before making a cylinder plate.

Distinctive color 1 + Distinctive color 2 = Distinctive color 1+ Distinctive color 2

UV curable ink has a wide gamut and high density.

Mimaki's UV curable ink has a wider gamut. As the gamut has wide warm color areas which abound in the package industry, reproducibility of distinctive designs are outstanding. Since the ink has high density of color necessary for gravure and flexo reproductions, vivid color can be obtained.

Color gamut of Mimaki UV-curable ink
— Mimaki UV-curable ink
-- Japan color 2000

Reflection density of UV-curable ink	
Black	2.15
Cyan	2.21
Magenta	2.24
Yellow	2.21