

SCREEN

Creating a Future in Print

Truepress Jet1600UV-F

Wide-format UV inkjet printing system

The latest tool for the sign/display business UV-LED curing for high quality and high flexibility

Dainippon Screen's Truepress series features a variety of models optimized for many different wide-format printing markets. The latest model in this popular series is the Truepress Jet1600UV-F, an innovative inkjet printing system for the sign/display business. The newly developed Truepress Jet1600UV-F delivers high precision and high flexibility in an easy-to-use unit. In addition to sign and display printing, the Truepress Jet1600UV-F is suitable for the production of everything from backlit graphics to wide-format posters, POP displays, commercial furniture, and construction signage.



Wide range of substrates – Low heat UV-LED light source

Quick turnaround of jobs – Fast-drying UV inks

More production time – LED lamps come up to temperature quickly

Photographic quality – High-resolution output (1,200 dpi) and variable droplets (grayscale)

Different inks to match flexible and rigid media

Increased range of services – White ink gives you more options

The Truepress Jet1600UV-F's UV-LED light source significantly reduces heat generation, making the unit compatible with a wider variety of media

The UV-LED light source used by the Truepress Jet1600UV-F generates significantly less heat during imaging. This makes the Truepress Jet1600UV-F suitable for high-quality printing onto a variety of media, including heat-sensitive materials, such as acrylic and styrene panels. The Truepress Jet1600UV-F can also handle media up to 50 mm(1.96") thick. The UV-LED light source also lasts a long time and draws little electricity, making the Truepress Jet1600UV-F gentler to the environment.



Eight individual printing heads make high-speed printing a reality

The Truepress Jet1600UV-F's newly developed imaging system features eight individual printing heads that support rapid printing. This results in a significant increase in productivity, so you can take on fast-turnaround jobs with confidence.

A new head positioning system enables both high precision and high image quality

The Truepress Jet1600UV-F's new head positioning system, which features a high-resolution linear scale, enables extremely precise dot placement. This makes it possible to print legible 3-point text even in large-size prints, where small text sizes have traditionally been difficult to output well.

High resolution and variable dots ensure high quality

In addition to offering a maximum resolution of 1,200 X 1,200 dpi, variable droplets make it possible to reproduce up to seven different dot sizes. This means that the Truepress Jet1600UV-F's four-color printing results in smooth tints and gradations, as well as sharp reproduction of small text.

Two different types of UV ink for a wider variety of uses

The Truepress Jet1600UV-F uses two different types of UV ink, one for flexible media and the other for rigid media. The flexible UV ink can be stretched to up to 200% of its original length, as well as cast or bent. This ink is ideal for printing onto white media, such as is used in packaging, POP displays, life-size panels and more. The rigid ink has a hardness that makes it resistant to friction and chemicals. It is particularly well suited for aluminum composite panels and decorative illuminated film.

Expand your product offerings with white ink

The Truepress Jet1600UV-F is suitable for an even wider range of applications when white ink is used. The addition of white ink ensures high-quality color output, even when transparent and colored media are used. It's also ideal for metallic media, such as aluminum. What's more, it can be used alone on transparent media such as window films. White ink ensures vivid color reproduction no matter what media is used.

Truepress Jet1600UV-F specifications

Product name	Truepress Jet1600UV-F
Type	UV-cured flat type inkjet printing system
Media size	Maximum width: 1,694 mm (66.6"); Maximum length: 3,194 mm (125.7")
Output size	Maximum width: 1,602 mm (63.0"); Maximum length: 3,100 mm (122.0")
Media thickness	Maximum 50 mm (1.96")
Output resolutions	600 x 600 dpi, 600 x 1,200 dpi, 1,200 x 1,200 dpi
Printing speed	Quality mode: 13.0m ² /h(140 ft ² /h)<CMYK>, 6.5m ² /h(70 ft ² /h)<CMYKW> High quality mode: 7.6m ² /h(82 ft ² /h)<CMYK>-, 3.8m ² /h(41 ft ² /h)<CMYKW>
RIP	Original RIP for Truepress Jet1600UV
Inks	Truepress ink for Truepress Jet1600UV (FlexLED:flexible type UV ink, HardLED:hard type UV ink) (CMYK and white) * White ink of FlexLED will be released soon.
Head	Grayscale piezo on-demand printhead
Dimensions (W x D x H)	4,200 x 4,300 x 1,600 mm (165.4" x 169.3" x 63.0")
Weight	1,600 kg (3,520 lb)
Power requirements	For the printer: Single phase 200 to 240V, 50/60Hz, Power consumption 2.0kVA For the external blower option unit: Three phase 200 to 240V, 20A, 3.4kW(USA)/ Three phase 380 to 480V, 20A, 3.4kW(EU)
Operating environment	Accuracy assurance temperature: 18 to 25°C (64.4 to 77°F) [Temperature which can be used 18 to 30°C (64.4 to 86°F)] Relative temperature: 35-65%Rh Temperature gradient: ±10°C/h or less
Applicable standard	VCCI class A, CE Marking, CB Report, UL, RoHS Directive

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