

SCREEN

POD

Creating a Future in Print

Truepress Jet 2500 UV

Wide-format UV inkjet printing system

The UV inkjet printer that will revolutionize the printing business



Through a collaborative agreement with Contra Vision Ltd., the Truepress Jet2500UV is the first printer in the world capable of automatically generating see-through graphics.

The world's first printer to offer direct see-through graphics printing

Creating new possibilities for the printing business

Screen's polished printing technology and cutting-edge inkjet technology bear fruit

The Truepress Jet2500UV is a wide-format ultraviolet (UV) inkjet printer that offers superior printing quality and productivity with both board and roll media. Supporting a maximum output resolution of 1,500 dpi and a top printing speed of 67.5 square meters per hour (726.5 square feet per hour),* the Truepress Jet2500UV can print on media up to 2,500 mm (98.4") wide and 50 mm (1.9") thick.**

* In 300L draft mode. ** When using board media.



With roll transport system (Option)

NEW See-through graphics

A revolutionary new technology for creating high-impact visual effects

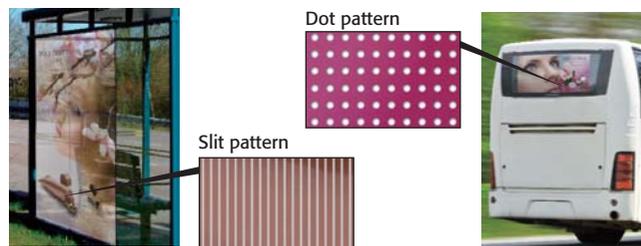
See-through graphics can be printed on transparent film and then mounted on the windows of stores or public transportation (buses, trains) or other surfaces. By leaving certain sections of the film surface blank in a dot or line pattern, it is possible for the glass to function as a window while also serving as a display surface for advertising.

It is now also possible to display a different graphic on each side. This enables advertisements with different appearances to be produced to suit variations in lighting conditions between the inside and outside of a store, etc.

- Use window advertising to achieve a double advertising effect without disturbing the view.
- Display a different graphic on each side and create advertising impact without completely blocking the view.
- Produce advertisements with different appearances to suit ambient lighting conditions.

Automatic generation of see-through graphics

See-through graphics are created using an arrangement of unprinted areas (dots and slits) in the design data. With the see-through graphics function, the types and sizes of the dots and lines can be selected from 25 types of patterns according to the desired use. The graphic data with these patterns is generated automatically during the image processing, meaning, as previously, there is no need to spend time and trouble preparing print data – simply create the poster or advertisement and select the see-through graphics option for printing.



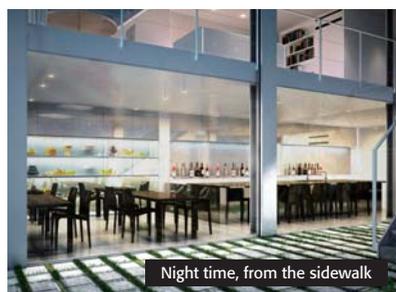
Case study for see-through graphics

This is an application example of combined double-sided imaging based on see-through and multilayer graphics. This approach doubles available advertising space without disrupting lighting conditions and allows different messages to be presented to both shop visitors and normal passersby.

In addition, at night, the attention of people passing by on the sidewalk can be drawn to in-store displays without making them aware of the window graphics. As well as having the benefit of increasing the efficiency of the window advertising area, this allows the creation of a uniquely appealing space that changes appearance in the day and night time – something that was not previously possible.



Day time, from the sidewalk



Night time, from the sidewalk



Day time, from inside the store



Evening, from inside the store

Positive environmental impact

Mounting window film on a glass window is also effective for reducing power consumption and CO₂ emissions and it is attracting attention as an energy saving measure. See-through graphics can combine advertising effectiveness with energy conservation.



High image quality

High productivity

High reliability

Flexibility

With board transport system

Multi-layer

Multi-layer function

The Truepress Jet2500UV now features a multi-layer function capable of printing up to seven different layers of image data at the same time. This new feature makes it easy to print items such as window films with different front and back images.

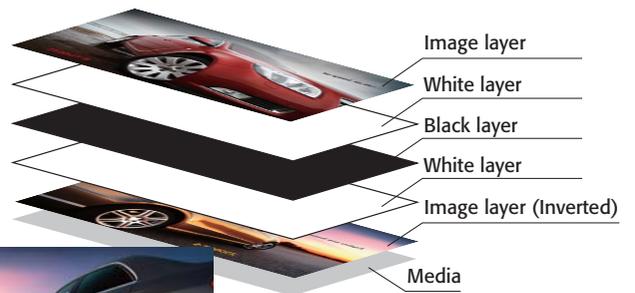
For use with transparent materials such as PET and acrylic board.

Double-sided window films

- Window films with different designs printed on the top and bottom layers. A black middle layer prevents images from showing through on the other side. Both sides appear as normal images, allowing layouts with different text or designs for use in store window advertisements and similar applications. (Five layers.)
- Window films with the same design printed on the top and bottom layers, and separated by a white layer. The same design data is printed on both the front and back layers. (Three layers.)

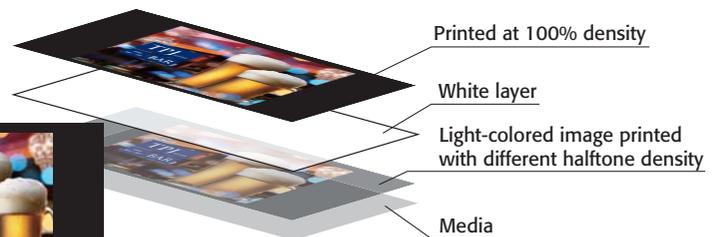


Front view ◀ ▶ Back view



Backlit day-night display

The Truepress Jet2500UV is capable of creating a day-night display that uses ordinary ambient light for daytime display and integrated backlighting for nighttime display. While the top and bottom layers have the same design, the bottom layer is printed with a different halftone density, making it possible to reproduce the same density during the daytime as at nighttime. (Three layers.)



Trick backlighting

Trick backlighting combines backlit panels to produce a unique effect. While the light of the panels is off, reflected light displays the front-most image layer. However, when the panel lighting is turned on, the backlight illuminates the design and lettering printed on the mask layers. Different design effects can be produced during the day and night time, making this medium ideal for outdoor advertising.



Advanced technology and functionality for a variety of applications and conditions — the possibilities are endless!

The Truepress Jet2500UV can be used for a wide range of advertising and sign/display applications, including the production of large-scale advertising signs, sheet-type signs, horizontal banners, vertical banners, decorative banners, flags, tapestries, backlit advertisements, POP advertisements, posters, fleet graphics, and other advertising and publicity media. It can also be used to produce interior design elements, such as wallpaper and paneling; exterior elements, such as construction barriers and building materials; and guide maps and timetables in stations and other public spaces.

In addition to paper and board, the Truepress Jet2500UV can print on PET, PVC, and acrylic, as well as glass, wood, stone, and metals, such as aluminum and stainless steel. It is a versatile printer that can be used for practically any application.



High-quality, high-precision imaging that's perfect for posters and backlit signs

High-resolution 1,500 dpi output and Screen's unique high image quality screening, along with a multi-level grayscale printhead and a variety of functions that support high-quality, high-precision output, make the Truepress Jet2500UV perfect for applications that require photo-quality output, such as posters, backlit signs, and POP displays.



Billboards



Backlit signs



White ink for more business opportunities

The use of white ink (optional) means the Truepress Jet2500UV can be used for even more applications. White ink enables high-quality printing onto transparent media, colored media, and metallic materials, such as aluminum.

You can even print in white ink alone onto transparent materials, such as window films. White ink also makes it easy to perform tasks that have traditionally proven difficult, such as creating smooth gradations on die-cut sheets for display applications. The addition of white ink further expands the products and services that can be offered to your current and new clients.



Window films



Fast output of large-size billboards and fleet graphics with high-speed printing

The Truepress Jet2500UV's high-output, high-precision linear motor and linear scale support a top printing speed of 67.5 square meters per hour (726.5 square feet per hour), so it can output large-size billboards, banners, fleet graphics, and other printed products at high speed. It can also handle roll media up to 50 meters (164.0') in length, which makes it particularly well suited for large-size jobs and continuous output of multiple jobs.



Banners



Fleet graphics



Accommodating a wide variety of media types and sizes and printing needs with a single printer

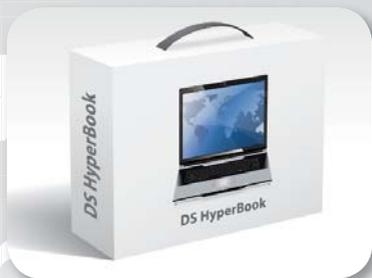
The Truepress Jet2500UV can accommodate board, sheet, roll and other types of print media. It can be used to print signs, veneers for furniture, wallpaper, panels, building materials, guide maps, and other items in a wide range of fields.

The Truepress Jet2500UV can create images up to 50 meters (164.0') long when roll media is used. It can also handle sheets up to 2.5 meters (98.4") wide by 1.3 meters (51.1") long by 50 mm (1.9") thick. The addition of an optional media feeder table increases the length of media that can be used.

What's more, when the corrugated cardboard guide option* is selected, consistent printing results can be achieved even with media that tends to warp or bend, such as sheets of cardboard. Using this option and printing directly onto cardboard is faster and more cost-effective than printing onto film and using the film to laminate the media afterwards.



Advertising panels



Printing on cardboard



* Corrugated cardboard guide option

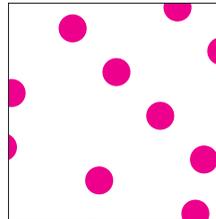
It can be difficult to print onto media that has a tendency to warp or bend, such as corrugated cardboard. This option enables reliable transport of media and makes it possible to print even onto hard-to-handle media directly.

Screen uses its printing and prepress know-how to create easy-to-use, cutting-edge technology that meets a wide variety of needs.

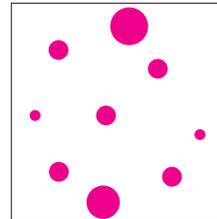
Smooth gradations thanks to a multi-level grayscale printhead and screening that supports high-quality imaging

The multi-level grayscale printhead's fine control enables output of multiple droplet sizes. Unlike traditional two-level printheads, this new printhead creates smooth gradations in the midtones, with superior, non-grainy reproduction from the highlights all the way to the shadows.

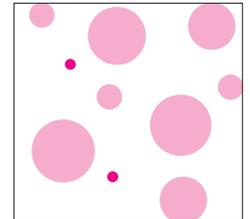
The addition of light cyan and light magenta (Lc/Lm) inks (optional) to the standard cyan, magenta, yellow, and black (CMYK) inks makes six-color printing possible and increases the smoothness of gradations in the highlight range in particular.



CMYK + Two-level head



CMYK + Multi-level head



Six colors + Multi-level head

Wide-ranging expressiveness and versatility *Truepress ink*

Flexible inks that stand up to bending and folding

The Truepress Jet2500UV uses Screen's original, brilliantly colored, flexible UV inks. Unlike standard UV printing inks, these inks do not crack when the printed media is bent, so the Truepress Jet2500UV can be used to print on tarpaulins, wrappers, and other media that will be bent or stretched after being printed.

Support for a wide variety of media with white ink

White ink (optional) enables a variety of applications, including printing onto colored media and transparent media. It's especially effective when used for printing onto decorative signs in windows and metal plates, and ensures superior color saturation during color printing onto any type of media.

Lc and Lm inks for even higher quality

In addition to standard cyan, magenta, yellow, and black inks, the Truepress Jet2500UV can print with Lc/Lm, and white inks (all optional). The use of these lighter inks produces photo quality suitable for use in the wide-format graphics market.

Automatic printhead cleaning function for continuing printing

The Truepress Jet2500UV features an automatic printhead cleaning function that automatically cleans the printhead nozzles with a cleaning chemical and then dries them. The operator simply gives the command from the controller's maintenance screen during startup or shutdown, and ink mist and other substances causing nozzle clogging are automatically cleaned at regular intervals,

preventing the occurrence of problems.

When used in combination with a roll transport unit, the automatic printhead cleaning function enables continuous automated printing for extended periods of time, improving operational efficiency.



OUTPUT

AUTO
CLEANING

AUTO
CLEANING

AUTO
CLEANING

Automated operation: When a continuous printing operation is scheduled, the printheads are cleaned automatically at regular intervals during the printing process.

Standard printing press

OUTPUT

MANUAL
CLEANING

MANUAL
CLEANING

Occurrence of
nozzle clogging

STOP

Requirement for visual check

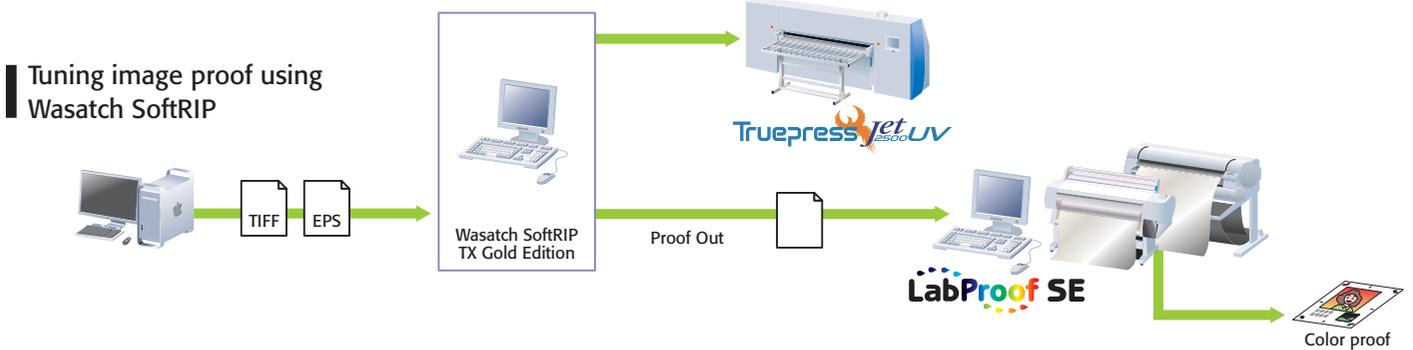
STOP

Manual operation: The operator must perform constant monitoring and manually clean the printheads.

Better proofing for improved productivity

The use of a reliable proofing system enables operators to check color matching to the target before output, which contributes to better operating ratios for the Truepress Jet2500UV. With LabProof SE, users get superior color matching accuracy with an ordinary

large-format inkjet printer. This reduces the strain on operators, helps ensure valuable media doesn't go to waste, and contributes to an extremely cost-effective proofing environment.



Wasatch SoftRIP TX Gold Edition

The Truepress Jet2500UV uses a version of Wasatch SoftRIP, a RIP with proven results in the sign printing industry. The unique Truepress Jet2500UV version of Wasatch SoftRIP features Screen's original screening.

In addition to supporting color matching using ICC profiles, the Truepress Jet2500UV can also be connected online to a colorimeter for easier density adjustment and linearization at the printer. It also offers a textile function that makes it easy to create multiple copies of a single pattern within a document.

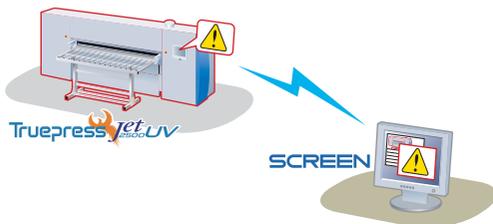
Easy operation

The controller is easy to operate, thanks to the use of a touch panel. The intuitive interface eliminates the need for a keyboard or mouse, and the printer can be operated entirely from the touch panel.



Remote monitoring

The Truepress Jet2500UV features a remote monitoring function. Service personnel can also check equipment status from a remote location, ensuring faster response times when maintenance is required.



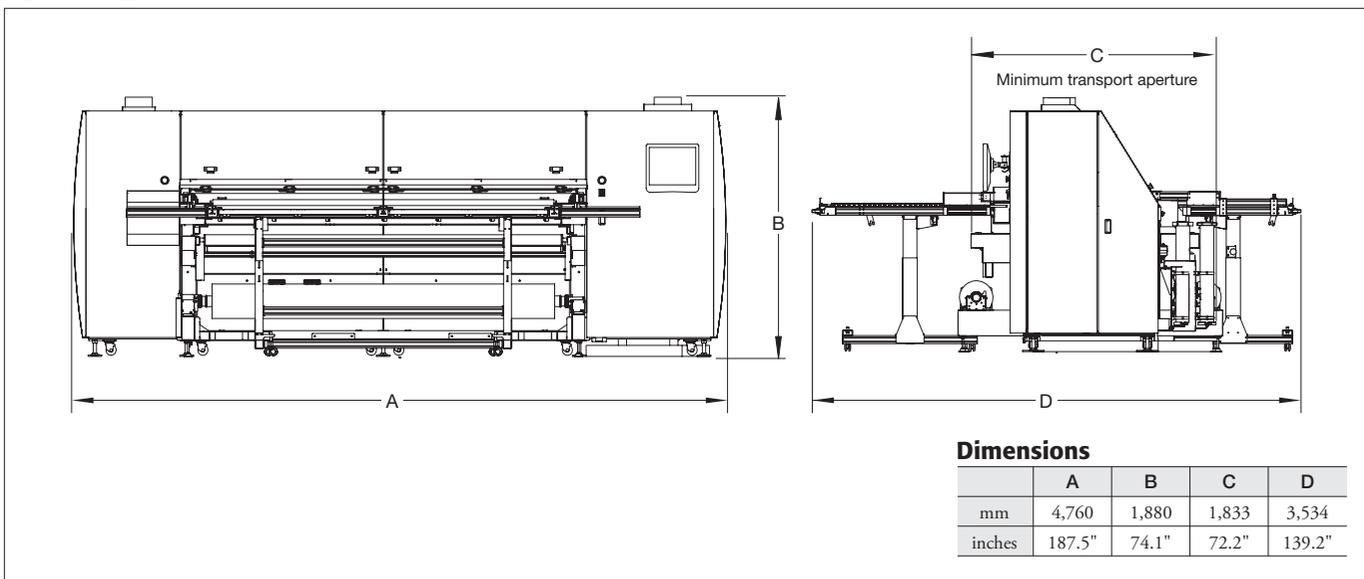
High-volume ink tanks

The Truepress Jet2500UV features 5-liter-capacity ink tanks for each color. This makes it possible to print longer runs. The ability to replenish ink with the tanks in place also makes operation more economical.

Gentle to employees and the environment

In addition to bearing the CE mark, the Truepress Jet2500UV complies with GS (Europe) and UL (North America) safety standards, and uses low-emission UV inks that do not violate VOC (Volatile Organic Compounds) emission standards. The Truepress Jet2500UV does not cause pollution or other environmental damage, making the system kind to both employees and the environment.

Space requirements



Truepress Jet2500UV specifications

Product name	Truepress Jet2500UV
Type	UV-cured board and roll inkjet printing system
Output size	Maximum width: 2,500 mm (98.4"); Maximum length: 1,300 mm (51.1")* for boards, 50 m (164.0') for roll media
Media thickness	Maximum 50 mm (1.9") for boards, 1 mm (39.3 mil) for roll media
Output resolutions	Maximum 1,500 dpi
Printing speed	Maximum 67.5 m ² /hour (300L draft mode)
RIP	Wasatch SoftRIP TX Gold Edition (including Screen's original screening)
Inks	Original flexible UV inks (CMYK is standard; Lc/Lm, and white inks are available as options)
Ink tank capacity	5 liters per color
Head	Grayscale piezo on-demand printhead
Dimensions (W x D x H)	4,760 x 3,534 x 1,880 mm (187.5" x 139.2" x 74.1") including table
Weight	2,300 kg (5,060 lb)
Power requirements	Single phase 200 to 240 V, 4.8 kW, 50/60 Hz, 20 A Three phase 200 to 240 V, 1.5 kW, 50/60 Hz, 6 A / Three phase 380 to 415 V, 1.5 kW, 50 Hz, 3 A
Options	See-through graphics option, roll transport system, Lc/Lm inks, white ink, additional table, infrared filter, battery box, cart for roll media, signal tower, simple roll option, large-size board option, corrugated cardboard guide option
Operating environment	Ambient temperature: 21 to 25°C (69.8 to 77°F) (no sudden temperature changes) Relative humidity: 50 to 70% (no condensation)
Applicable standard	CE marking, GS mark, UL/cUL listing mark, EMC mark, FCC rules, RoHS Directive

* When using the one standard loading table.

· Contra Vision® is a registered trademark of Contra Vision Ltd.

· The production of finalized see-through graphic materials for commercial purposes requires the payment of a license fee to Contra Vision Ltd. For further information, please visit the Contra Vision Website (www.contravision.com).

www.screen.co.jp/2500

For more information, please visit our web site.



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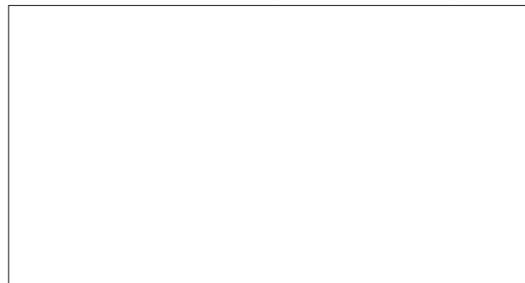
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• This brochure was made using SPEKTA 2 screening.



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