

The perfect affordable & versatile solution for new start-ups in the Sign Making Industry!

The Uniform Lancer G2 1300 is designed specifically with starting-out full-colour sign makers in mind. It is a compact eco-solvent printer that will also appeal to established businesses with water-based inkjet printers looking for an affordable printer to produce outdoor durable prints, even on uncoated substrates. Excellent quality output means this versatile performer makes a perfect addition for the smaller jobs in an existing wide-format print shop.

Suited to indoor and outdoor applications, the Uniform Lancer G2 1300 produces full-colour posters, banners, backlit panels, POS displays, external notices for buildings, production plants and construction sites as well as adhesive signs and stickers.

Innovative and easy-to-use, the Uniform Lancer G2 1300 uses Eco-Solvent inks, making it suitable for operation in any working environment, plus the i² Intelligent Interweave printing technology produces impeccable prints every time on media up to 1300 mm (51"). This CMYK printer can handle 2" and 3" rolls and cut sheet media and incorporates three individually controlled heating elements for media acclimatisation, ink fixation and drying of the prints.



INTELLIGENT INTERWEAVING
a revolution in print technology!

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Our 'At a Glance' Guide

- » Prints full-colour posters, banners, backlit panels, POS displays, notices, signs and stickers
- » Durable images on coated & uncoated substrates up to 1300 mm (51") wide
- » Impeccable print quality every time with i² technology
- » Rapid return on investment thanks to versatile performance and attractive price
- » Easy to use and compact, with eco-inks for problem-free printing in normal environments

i² - a revolution in print technology

- > Intelligent Interweaving, i² technology, provides impeccable digital printing quality for both Photo and Sign printing.
- > Quick and simple to set up, printing with i² saves time and trouble while producing outstanding results. Ink is laid down in carefully optimised wave forms, not the straight lines used by all other wide-format inkjet printers. The result is a drastic reduction or even total elimination of the typical difficulties inherent in conventional digital inkjet printing. i² technology means the end of defects such as horizontal banding, step mismatch banding, ink mottle and bleed and the visible effects of missing or misfiring nozzles.

2 pass print example
for comparison



Standard
technology

i² weaving
technology

Call 01932 568555 for i² print technology demonstrations or sample prints

Uniform LANCER G2 1300

3 Years outdoor

Prints made with Eco-Solvent Ultra inks are UV and water resistant for up to three years outdoors, without lamination⁽¹⁾.

⁽¹⁾ : Lamination is recommended for fleet, floor graphics and other applications where prints are exposed to intensive mechanical stress or abrasion.

12 pre-defined print modes

Four print resolutions offered — 540 x 720 dpi, 720 x 720 dpi, 1440 x 720 dpi & 1440 x 1440 dpi — and, with starting-out full-colour sign makers in mind, 12 different print modes have been pre-defined. These are in three groups: Quality Mode⁽¹⁾, Graphics Mode⁽²⁾ and Banner Mode⁽³⁾. Pre-defined print modes means Uniform Lancer G2 1300 users do not need to choose printing passes, resolutions or other manual settings. Simply activate a predefined mode via the RIP software or directly on the printer's operation panel.

⁽¹⁾ Typical photographic quality mode (pictures)

⁽²⁾ Typical "vinyl" production mode (signs)

⁽³⁾ Typical high speed banner outdoor mode.

Speed performance

The Uniform Lancer G2 1300 provides typical production speeds on banner media up to 14 m²/h and up to 7 m²/h on self-adhesive uncoated PVC.

Wide choice of media

The Uniform Lancer G2 1300 prints onto eco-coated, coated and even uncoated media thanks to the combination of the piezo print head, the characteristics of Eco-Solvent Ultra inks and the three built-in digitally controllable heating elements. These heating elements control and optimize media acclimatisation, ink fixation and drying of the prints.



Fast return on Investment

Rapid return on investment is available to beginners as well as skilled operators. The combination of affordable pricing, ease of use with consistent high quality output, flexibility for switching quickly between print jobs and low ink consumption (average 8 ml/m² on uncoated PVC) means the Uniform Lancer G2 1300 will swiftly turn investment into profit.

New generation "wide model" 1440dpi piezo print head

The Uniform Lancer G2 1300 uses the industry's smallest available droplet size of 3.5 pl, thanks to a new generation piezo drop-on-demand variable drop "wide model" print head. This 1440-nozzle head incorporates four colour sections, each divided in two nozzle rows with 360 nozzles per colour. Because all the

colour sections are united in one head, there is no need for time consuming head-to-head calibration procedures. The printer head comes complete with a 12-month warranty.

Eco-Solvent Ultra Ink

Eco-Solvent Ultra inks are based on non-aggressive solvents. As they do not spread any harmful VOCs in the working environment, there is no need for forced ventilation. Eco-Solvent Ultra inks are third generation of eco-inks and feature improved ink fixation, better drying, higher print speeds, and improved scratch resistance. The Uniform Lancer G2 1300 printer is ideally suited to deliver top quality images when printing directly onto a wide range of low-cost standard available uncoated PVC and scrim banner media. Eco-Solvent Ultra inks come in easy-to-use 220 ml ink cassettes.

Uniform Lancer G2 - total solution

The compactly designed Uniform Lancer G2 1300 Eco-Solvent Ultra printer, incorporating latest print head technology and revolutionary i² Intelligent Interweaving print technology, is delivered with everything you need to start delivering optimum results right away.

The printer comes complete with a stand with lockable caster wheels and an ink starter set (1x4 CMYK Eco-Solvent Ultra ink cassettes – 220 ml).

Uniform offers Lancer customers starter Troop RIP software. Users can choose between Troop editions depending upon required functionality.

A step-by-step installation guide provides instructions to unpack and assemble the Uniform Lancer G2 1300 printer in a matter of moments, ready to produce high quality output from day one.

Optional Take-up

The optional motorised take-up system allows automatic winding of finished prints in front of the printer. The take-up system can handle both 2" and 3" media rolls and is capable of supporting media rolls up to 10 kg.

Print & Cut

Print and cut simultaneously by running your Lancer G2 1300 printer in tandem with a multi-purpose contour cutter.

The user-friendly cutting plotter is ready to tackle all your contour cutting applications such as stickers, short-run decals, window signs and much more. Thanks to our patented Epos-technology and a unique job recognition feature, contour cutting is performed with virtually no user intervention required.

uniform LANCER G2 1300

TECHNICAL SPECIFICATIONS

Technology	Drop-on-demand Micro Piezo Inkjet Technology. Variable drop mass output between 3.5 ng and 21 ng
Print Resolutions	540 x 720 dpi, 720 x 720 dpi, 1440 x 720 dpi & 1440 x 1440 dpi
Maximum Media Width	1300 mm (51 Inch)
Print Width	210 mm – 1200 mm (bi-directional) / 1219 mm (uni-directional)
Media Thickness Diameter / Core Weight	Maximum 0.3 mm Maximum: 150 mm / 2" or 3" Maximum: 19 kg
Maximum print length	18 m
Colour Channels	4 colour channels – 4 process colour output
Inks	Eco-Solvent Ultra 1 x CMYK set-up
Ink Cassette Capacity / Type	220 ml / smart chip ink type & order sensing
Head / Nozzle configuration	180 nozzles x 8 lines = 1440 nozzles / head
Head height adjustments	1.5 mm / 2.0 mm
Print Modes & Panel Control Options	Uni & Bi-directional output, Intelligent Interweaving (i ²), Mirror Output, Multi Copy, Ink Status, Origin Control
LCD Display	Backlight LED – 1 line x 20 characters
Interface	TCP/IP Ethernet 100BASE-TX/10BASE-T, USB 2.0/1.1 only for service purposes
Graphics Command Language	RTL-PASS
Memory	128 MB
Rip Software	Troop Rip Software Version 6
Print Distance Accuracy	± 0.25 mm or ± 0.1%, whichever is greater
Right Angle Accuracy	± 0.25 mm or ± 0.1%, whichever is greater
Heater ranges	pre-heater : [30 – 50 °C] platen heater : [30 – 50 °C] after-heater : [30 – 50 °C]
Print Engine Working Environment	Temperature: 20 – 30 °C Humidity: 40 – 60 % (no condensation)
External Dimensions (W x D x H) (Excl. take-up)	1772 x 685 x 1220 mm
Weight (with stand)	71.8 kg
Power Supply	AC 100 – 120 V / AC 220 – 240 V auto-switching
Power Consumption	operation : 1260 W low power mode : 40 W power off : 1 W or less
Noise Level	Operating: 50 dB or less
Standard	VCCI (Class A), FCC (Class A), MET, CB, CE, RoHs