

ColorSpan 5400uv Series

UV-Curable Inkjet Printers

**The All-In-One
Affordable UV Printer**



YES WE CANSM

 **MacDermid**
ColorSpan

Ultimate Quality / Performance / Value

What if you could combine the ultra high quality of an aqueous thermal inkjet printer, and the outdoor durability of a solvent printer, with the media flexibility of a UV-curable inkjet printer? Now you can. Meet the ColorSpan 5400uv series of multi-functional inkjet printers. Designed to fit the needs of big and small print shops, they feature a compact design that is big on performance.

They are fast and affordable 54-inch-wide UV printers that produce ultra-high-quality images directly onto an endless variety of inexpensive uncoated materials from rigid display boards to roll-fed media. There's no need to laminate. No need to transfer or mount. Just print, sell and profit!

The 5400uv Series

Model	Colors	Printheads	Max. Speed
ColorSpan 5440uv	4 - CMYK	4	194 sf/h
ColorSpan 5460uv	6 - CMYKcm	6	194 sf/h
ColorSpan 5445uv	4 - CMYK	8	388 sf/h
ColorSpan 5465uv	6 - CMYKcm	12	388 sf/h

Variable-Drop Piezo Printheads

The ColorSpan 5400uv series uses the latest generation variable drop volume piezo-electric printheads. Each extended-life printhead can eject variable sized micro droplets to achieve addressable resolutions of 600x300, 600x600 and 1200x600-dpi. The 5460uv and 5465uv six-color models render even higher apparent image quality — up to 1800-dpi.

SolaChrome™ UV Pigmented Inks For Easy Operation and UV Durability

Extended-gamut, UV-Curable pigmented inks, available in cyan, magenta, yellow, black, light cyan and light magenta are designed for reliable jetting, low maintenance, long printhead life, low cost of operation and long term outdoor display life — 2 to 7 years depending on application. SolaChrome-UV inks print directly onto just about any substrate. Priced lower than 'eco-solvent' inks, ink cost typically ranges between \$0.05 to \$0.25 per square foot (\$0.54 to \$2.69 per square meter).



(Above) Operating a printer has never been easier or more intuitive. The 7-inch color touch-screen control panel provides printer status and full control in an easy-to-understand graphic format.

Production-Oriented Speed

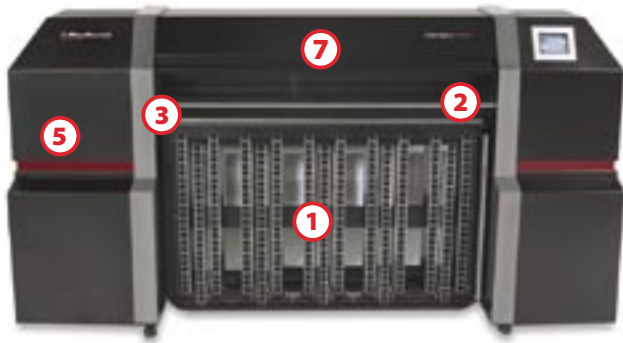
Design-engineered as a production sign system, the ColorSpan 5400uv series uses up to 384 jets per color or up to 2,304 total jets. The printers boast print speeds up to 388 square feet (36 m²) per hour.

Media Options

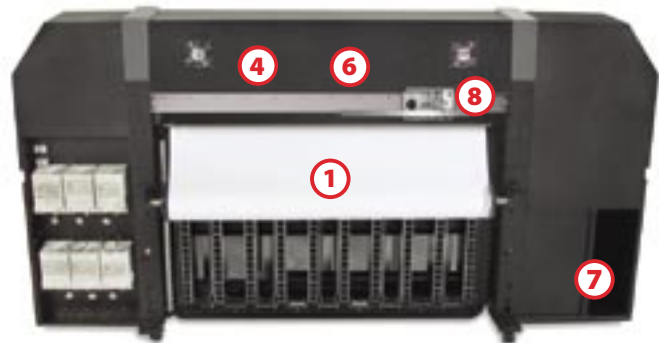
The ColorSpan 5400uv series is capable of printing on the widest variety of uncoated materials up to 1-inch (2.54 cm) thick: flexible roll-fed materials including banner vinyl, adhesive vinyl, canvas, paper and backlit film, as well as rigid materials such as untreated Coroplast®, Sintra®, Gatorboard® and Fome-Cor®.

(left) SolaChrome UV-curable pigmented inks are available in one liter boxes with integrated ink filter and no-drip connector.





- 1.** Integrated front and rear roller tables fold down and out of the way for roll-fed operation, or fold out for printing rigid materials. This minimizes floor space requirements, yet can expand as needed to feed boards up to 96" (244cm) in length.
- 2.** Automatic media thickness detection and motor-driven height adjustment raises and lowers the printheads with digital accuracy to accommodate media up to 1" (25.4mm) thick.
- 3.** Media Edge Guides prevent head strikes caused by roll-fed media edge curl.
- 4.** Patent-pending dual-shuttered UV lamp housings eliminate special handling for various media thicknesses. The UV bulbs are user-replaceable, lowering operating costs.



- 5.** Patent-pending printhead service station fully maintains jet health while idle or in service. This hands-off design eliminates the need for wiping or dabbing of printheads and ensures the printer is always ready to produce top quality images.
- 6.** Built-in static elimination discharges static build-up on both top and bottom surfaces of synthetic media.
- 7.** Fully enclosed to provide protection from moving parts and stray ultraviolet light. The printer enclosures include space to place a computer tower, making it an ideal location for a remotely controlled raster image processor (RIP).
- 8.** Adjustable Media Fence keeps rigid media feeding straight and prevents media skew.

Advanced Automation Eye

Only found on ColorSpan printers, it uses a high-resolution imaging sensor, colorimetric spectrophotometer, and embedded software to automate the setup and calibration steps critical for achieving and maintaining print quality.

AutoSet™ Calibration

Analyzes dot placement of printed patterns and automatically sets the head-to-head alignment and bi-directional (bidi) dot placement alignment to compensate for variable print speeds, head height settings and media thickness.

AutoJet™ Calibration

Eliminates banding in prints and prolongs the useful life of printheads by mapping out jets that are not up to performance standards and compensating by using other jets in their place.

AutoTune™ Scheduler

Schedules the AutoJet Calibration to occur during unattended print runs to ensure maximum print quality and minimize waste or reprints.

AutoEdge and Media Out Detection

Uses the image sensor to aid in the loading of rigid materials by detecting right, left and leading edges allowing the printer to precisely position the media to begin printing.

Color Calibration

The on-board spectrophotometer supplies color data to the external RIP's color management software. The color management system then adjusts the color to ensure accurate and consistent color.

Color Profiling

This optional feature uses the on-board spectrophotometer. The printer prints and automatically reads hundreds of color swatches to allow the RIP and color management software to create custom ICC and ColorMark profiles for 3rd party media.

ColorSpan 5400uv Series

Specifications

Resolution and Max. Print Speeds

DPI	Model	PRINT MODE		
		High Quality	Production	Billboard
1200 x 600	5440uv / 5460uv	24 sf/h (2.25 m ²)	48 sf/h (4.5 m ²)	97 sf/h (9 m ²)
	5445uv / 5465uv	48 sf/h (4.5 m ²)	97 sf/h (9 m ²)	194 sf/h (18 m ²)
600 x 600	5440uv / 5460uv	48 sf/h (4.5 m ²)	97 sf/h (9 m ²)	194 sf/h (18 m ²)
	5445uv / 5465uv	97 sf/h (9 m ²)	194 sf/h (18 m ²)	388 sf/h (36 m ²)
600 x 300	5440uv / 5460uv	————	194 sf/h (18 m ²)	————
	5445uv / 5465uv	————	388 sf/h (36 m ²)	————

PRINT TECHNOLOGY

Reciprocating UV-curable inkjet printer with 192 nozzle variable drop piezo-electric printheads.

INK

SolaChrome UV pigmented inks available in cyan, magenta, yellow, black, light cyan, and light magenta. 1-liter sealed reservoirs with integrated ink filter and quick disconnect.

MEDIA HANDLING

Integrated front and rear roller tables support rigid media up to 96-inches (244 cm) in length and 35 lbs. (15.9 kg) in weight. Automatic sensing of media thickness and head height adjustment.

Supports roll-fed media on 3" cores.

MEDIA THICKNESS

Automatically adjust to accommodate media up to 1 inch (2.54 cm) thick.

MEDIA WIDTH

24 to 54 inches (61 to 137 cm)

PRINT WIDTH

0.25 inch (6.35 mm) right and left margin on flexible media. Edge-to-edge printing available on rigid media.

UV ENERGY SOURCE

Dual, high-energy, user-replaceable UV bulbs. User selectable Low, Medium and High settings.

ELECTRICAL

220-240 VAC, single phase, 50/60 Hz, 16 Amps maximum.

OPERATING CONDITIONS

68° to 85° F (20° to 30° C)

20% to 80% Relative Humidity, non-condensing

WARRANTY

One year on-site parts and labor.

Extended warranties available.

AGENCY COMPLIANCE

Safety: CE, UL, c-UL

Emissions: CE, FCC-A

Immunity: CE

RoHS certified

SHIPPING DIMENSIONS

Weight: 894 lbs (406 kg)

Height: 66.3" (168 cm)

Depth: 36" (91 cm)

Width: 117" (297 cm)

ASSEMBLED DIMENSIONS

	Roll-Fed	Tables Fully Extended
Weight:	581 lbs. (264 kg)	581 lbs. (264 kg)
Height:	57.1" (145 cm)	57.1" (145 cm)
Depth:	27.6" (70.2 cm)	127.8" (325 cm)
Width:	108" (274 cm)	108" (274 cm)

WHAT'S INCLUDED

Four or six 1-liter inks depending on model, 54" x 100' roll of UV Photobase, 25-foot VideoNet interface cable, documentation, miscellaneous supplies & accessories, installation & training.

YES WE CANSM

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust the company that says "Yes We Can."



7090 Shady Oak Road, Eden Prairie, MN 55344 USA
Phone: +1 952.944.9330 or +1 800.477.7714
En Español: +1 952.943.3600

Bijlmermeerstraat 32, 2131 HC Hoofddorp, The Netherlands
Phone: +31 23.562.2000

www.colorsan.com