

ColorSpan 9840uv

UV-Curable Flatbed Inkjet Printer

**The Grand-Format UV
Price / Performance Leader**



YES WE CANSM

 **MacDermid**
ColorSpan

Industrial-Grade UV Flatbed Printer

MacDermid ColorSpan, the world's leading supplier of UV-curable inkjet printers for the display graphics markets, introduces the all new ColorSpan® 9840uv industrial flatbed printer. Design-engineered to be a production sign system, the ColorSpan 9840uv features the ability to print on rigid sheets or flexible roll stock up to 98 inches (2.5 meters) wide and 2.75 inches (70 mm) thick. Using a vacuum belt media drive system and sixteen (16) 600-dpi Micro-Quad™ piezo-electric printheads, the ColorSpan 9840UV delivers true 600 x 600-dpi quality and print speeds up to 811 square feet (75.4 m²) / hour on the widest variety of media.

The ColorSpan 9840uv is packed with features designed to maximize your productivity and profitability. A pneumatically-operated media alignment bar raises and lowers to assist in loading sheets parallel to the print direction and the printer automatically detects the media's edges making back-to-back and edge-to-edge printing easier than ever. Input and output media rollers are also pneumatically controlled to hold warped media flat throughout the print zone. Printhead height is automatically adjusted to accommodate various thicknesses of media while maintaining optimum image quality.

Micro-Quad™ Technology For High Resolution and Low Maintenance

The **ColorSpan 9840uv** uses MacDermid ColorSpan's Micro-Quad head technology—sixteen long-lasting industrial piezo-electric printheads configured in four interlacing rows per process color. Each printhead jets micro-sized (25-picoliter) droplets of ink to deliver near-continuous tone output at true 600x600-dpi resolution. With the ColorSpan 9840uv, you'll produce superior output quality at lower production costs than competitor's printers costing 2 or even 3 times more.

SolaChrome™ UV Pigmented Inks For Easy Operation and UV Durability

UV-curable SolaChrome inks are specially formulated for Micro-Quad technology, ensuring jet reliability, extended printhead life and less overall printer maintenance. The large 3-liter ink containers are sealed, leak-proof and easy to load.

SolaChrome UV inks available in cyan, magenta, yellow and black print vibrant, high-resolution output that can withstand harsh outdoor use (2-3 years depending on the application). The printhead assembly houses dual UV light sources that cures the ink instantly, so prints can be handled immediately.

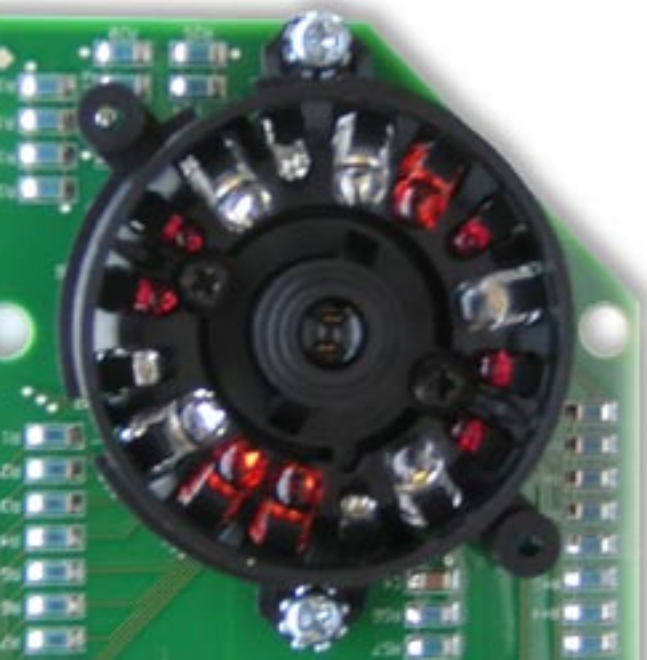


(above) A large color touch-screen command center shows current status of the printer and inks while giving you complete and easy-to-learn control over the printing process. It's perfect for the fast-paced production environment.

Pushing the Boundaries of What is Printable

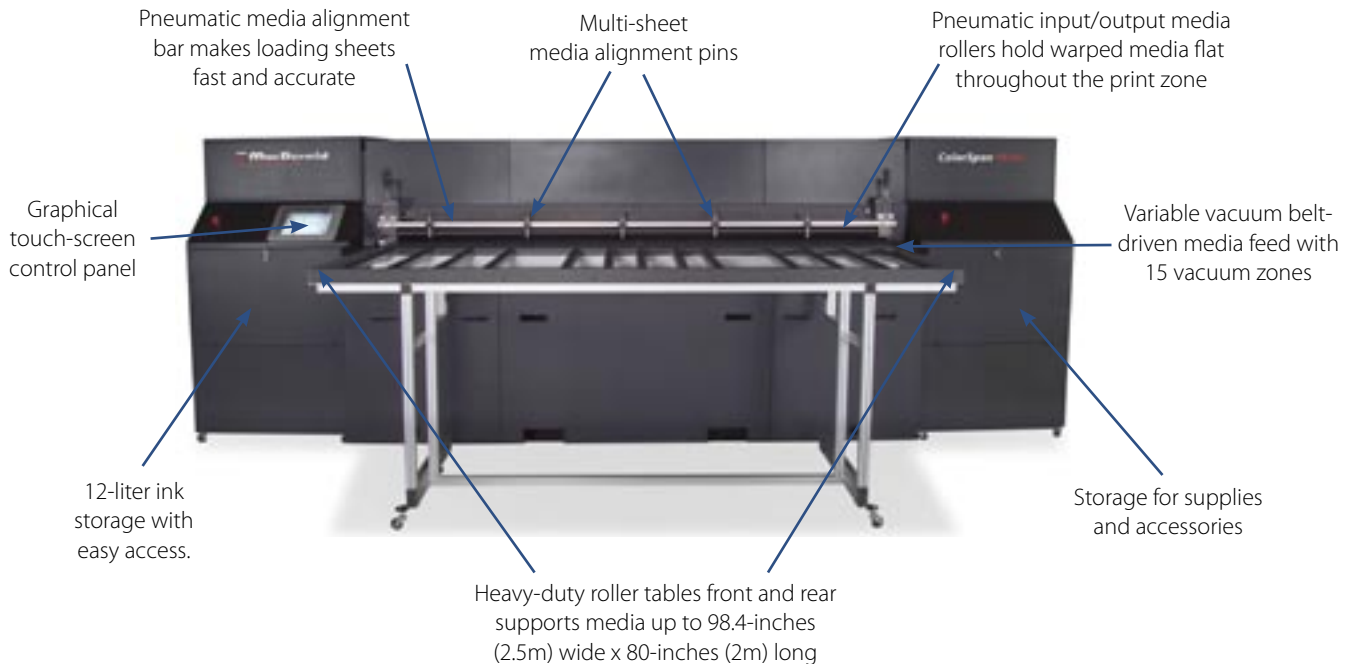
Whether you are printing directly onto multiple pre-cut sign boards at one time, or eight-foot-wide sheets of MDO/MDF sign boards, the ColorSpan 9840uv does it fast, accurately and with high quality. Even exotic materials, such as glass, wood, metals and more can be printed on for applications limited only by your imagination. With the optional Rollfed Media Supply & Take-up system, it also prints onto a large variety of inexpensive rolls of vinyl, paper, fabric, film and more.

(left) MacDermid ColorSpan's on-board camera automates media loading and the calibration steps for achieving high print quality and accurate color.



Super-Fast Output Speeds For High-Volume Environments

The ColorSpan 9840uv is design-engineered to be a production sign system, with its sixteen piezo-electric printheads totaling over 1500 jets, it produces 600x600-dpi quality output at print speeds up to 225 square feet (20.9 m²) per hour in 'Production' mode and 438 square feet (40.7 m²) per hour in 'Billboard' mode or 600x300-dpi 'Production' mode.



Automatic Productivity Features For Great Quality, Easy Operation and Low Maintenance

The ColorSpan 9840uv incorporates MacDermid ColorSpan's Advanced Automation Eye, consisting of a high-resolution image sensor and colorimetric spectrophotometer, that automates printer setup and head calibration. The Automation Eye not only saves operator time, it also ensures accurate and consistent image quality. Here's how:

AutoSet™ Calibration

Analyzes dot placement of printed patterns and automatically sets the head-to-head and bi-directional alignment to compensate for print speeds 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 with other jets.

AutoTune™ Scheduler

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

AutoEdge and Media Out Detection

Detects left, right and leading edges of rigid materials and automatically positions board for printing. Great for 2-sided printing.

Linearization

The on-board spectrophotometer supplies color density data to the ColorMark® RIP where the RIP's color management software automatically linearizes the color curves to ensure accurate and consistent color.

Color Profiling

Prints and scans hundreds of color swatches to allow the ColorMark RIP to create custom ICC and ColorMark profiles of your favorite media.

ColorSpan 9840uv

Specifications

Resolution and Max. Print Speeds

Mode	DPI	Ft ² /hour (M ² /hour)
Billboard*	600x300	811 (75.4)
	600x600	438 (40.7)
Production	600x300	438 (40.7)
	600x600	225 (20.9)

*Jet replacement is not available in Billboard Mode

PRINT TECHNOLOGY

16 piezo-electric inkjet printheads utilizing Micro-Quad™ Jet Technology. Drop size approximately 25 picoliters.

INKS AND CLEANING SOLUTION

SolaChrome UV 4-color (CMYK) pigmented inks in 3-liter boxes with quick disconnect.

SolaChrome UV Printhead Flush in 3-liter boxes.

UV ENERGY SOURCE

Dual 850-watt shuttered UV lamps. User selectable control of Shuttered, Low and High settings for leading and trailing lamps.

MEDIA HANDLING

Vacuum belt media drive for easy loading and accurate media feeding.

Front and rear roller tables support rigid materials up to 98.4 inches (250 cm) in width and 80 inches (200 cm) in length.

A second set of roller tables (optional) support rigid materials up to 150 inches (380 cm) in length.

Optional Supply & Take-up system supports up to 98.4 inches (2.5 m) wide roll-fed media on 2" or 3" cores.

MEDIA THICKNESS

Up to 2.75 inches (70 mm)

PRINT WIDTH

Maximum 98.4 inches (250 cm). Edge-to-edge printing in both width and length of rigid media.

ELECTRICAL AND COMPRESSED AIR REQUIREMENTS

200-240 VAC, 3-phase, 50/60 Hz, 16 Amps maximum
Customer-supplied Compressed Air, 80-120 psi (5.6-8.4 Kg/cm)

AGENCY APPROVALS

CE, c-UL, UL, FCC-A

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.

SHIPPING DIMENSIONS

Weight: 3070 lbs (1395 kg)
Height: 74.0" (188 cm)
Depth: 55.5" (141 cm)
Width: 216.5" (550 cm)

ASSEMBLED DIMENSIONS (without tables)

Weight: 1675 lbs (761 kg)
Height: 63.0" (160 cm)
Depth: 49.0" (124 cm)
Width: 179" (454 cm)

ASSEMBLED DIMENSIONS (with tables)

Weight: 1825 lbs (830 kg)
Height: 63.0" (160 cm)
Depth: 121" (307 cm)
Width: 179" (454 cm)

WHAT'S INCLUDED

12-liters ink, 3-liters printhead flush, input and output roller tables, 25-foot VideoNet interface cable, documentation, supplies & accessories.

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."



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