

DisplayMaker 72UVR

UV-Curable Inkjet Printer

Entry-Level
UV Flatbed Printer



YES WE CANSM

 **MacDermid**
ColorSpan

Market-Leading Flatbed/Roll-fed Hybrid Printer

Since its introduction, the **MacDermid ColorSpan DisplayMaker® 72UVR** quickly became the fastest selling UV printer in the world. There are more of these printers in operation today than any other manufacturer's entire UV printer line. That is because the DisplayMaker 72UVR is the first and only truly affordable 72-inch-wide UV printer that produces high-quality, high-speed output directly onto inexpensive uncoated materials like rigid display boards and roll-fed media. There's no need to laminate. No need to mount. Just print, sell and profit!

With amazing versatility, DisplayMaker 72UVR lets you fulfill all of your customers' printing needs with speed and quality. Using 16 printheads and just four inks (CMYK), you can create great-looking 600-dpi output for less than 20 cents per square foot. Plus, the 72UVR automates operational functions to ensure print and color quality, enhance productivity and make it super simple to use and maintain.

Micro-Quad Technology For High Resolution & Low Maintenance

DisplayMaker 72UVR 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 DisplayMaker 72UVR, 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 the UV light source that cures the ink instantly as it is printing.



(above) SolaChrome pigmented UV inks and Printhead Cleaning Solution in 3-liter boxes for maximum productivity.

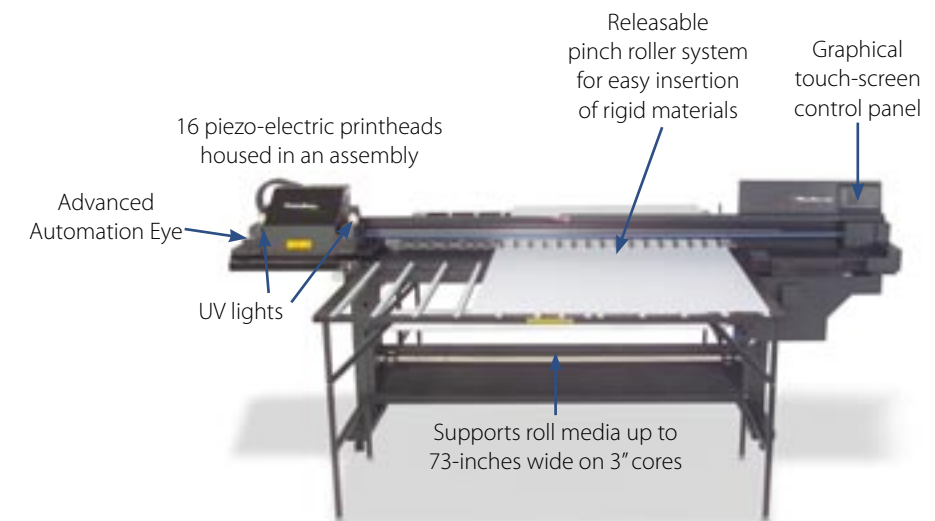
Inexpensive, Uncoated Media For Low-Cost Production

No more laminating. No more mounting. DisplayMaker 72UVR prints directly onto common display boards like GatorBoard, Fome-Cor and CoroPlast up to 1/4-inch thick. Print onto inexpensive rolls of low-cost vinyls, papers, fabrics, films and more.

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

Super-Fast Output Speeds For High-Volume Environments

DisplayMaker 72UVR is engineered to be a production sign system. With its sixteen piezo-electric printheads totaling over 1,500 jets, it delivers print speeds of 100 square feet per hour in 'High Quality' mode, 200 square feet per hour in 'Production' mode and 400 square feet per hour in 'Billboard' mode



Two 36 x 75" roller tables attach to the front and rear to accommodate rigid sheets 73-inches wide and up to 60-inches (1.5m) in length. Two additional tables can be added for sheets up to 120 inches (3m) long.

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

DisplayMaker 72UVR 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 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. The RIP's color management then 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.

DisplayMaker 72UVR

Specifications

Resolution and Max. Print Speeds

Mode	DPI	Ft ² /hour (M ² /hour)
Billboard	600x600	400 (37.2)
Production	600x600	200 (18.6)
Quality	600x600	100 (9.3)

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. 3-liter sealed reservoirs with quick disconnect.

SolaChrome UV printhead flush. 3-liter reservoir with quick disconnect.

UV ENERGY SOURCE

Dual 550-watt user-replaceable UV bulbs.

User selectable Low, Medium and High settings.

MEDIA HANDLING

Supports up to 73-inch-wide (1.85 m) roll-fed media on 2" or 3" cores. Uses releasable pinch rollers with tension adjustment for easy loading and optimal media handling.

Front and rear roller tables support rigid media up to 60 inches (152 cm) in length.

A second set of roller tables (optional) support rigid media up to 120-inches (305 cm) in length.

MEDIA THICKNESS

Up to 1/4 inch (6.35 mm)

MEDIA WIDTH

24 to 73 inches (61 to 185 cm)

PRINT WIDTH

72.5 inches (185 cm), maximum on flexible media.

Edge-to-edge printing available on rigid media.

ELECTRICAL

220-240 VAC, single phase, 50/60 Hz, 15 Amps

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: 900 lbs (409 kg)

Height: 43.5" (110.5 cm)

Depth: 32.0" (81.3 cm)

Width: 136.5" (346.7 cm)

ASSEMBLED DIMENSIONS (without tables)

Weight: 375 lbs (170 kg)

Height: 52.5" (133.4 cm)

Depth: 33.0" (83.8 cm)

Width: 133" (337.8 cm)

ASSEMBLED DIMENSIONS (with tables)

Weight: 500 lbs (227 kg)

Height: 52.5" (133.4 cm)

Depth: 87.7" (222.8 cm)

Width: 133" (337.8 cm)

WHAT'S INCLUDED

Ink Starter Kit (1-liter each, CMYK), 3-liters printhead flush, input and output roller tables, 600 sq. ft. banner vinyl, documentation, miscellaneous supplies & accessories, 25-foot VideoNet interface cable, installation & on-site 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."



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