

# DisplayMaker 72uvx DisplayMaker 98uvx

*UV-Curable Inkjet Printers*

The UV Price and  
Performance Leaders



**YES WE CAN**<sup>SM</sup>

 **MacDermid**  
ColorSpan

# Production-Oriented Flatbed/Roll-fed Hybrid Printers

The **MacDermid ColorSpan** DisplayMaker® 72uvx and DisplayMaker® 98uvx are the best selling UV printers in the world. That is because they are production-oriented printers that are easy to use, affordable to own and produce great-looking images on an endless variety of media. The DisplayMaker 72uvx and 98uvx print edge-to-edge, full bleed prints on sign boards up to 1/2-inch (12.7 mm) thick. With their 600x300-dpi Production Quality print mode, you can produce sellable quality output up to an amazing 438 square feet per hour. Yet, at 1/2 the cost of other UV printers, it is affordable to mid-size screen printing and signmaking shops that need to produce high-quality, high-speed output directly onto inexpensive uncoated rigid and rollfed media.

Save time and money by printing directly to your final substrate. You can create great-looking 600-dpi output for less than 20 cents per square foot without the finishing costs of laminating or mounting prints.

## Micro-Quad™ Technology For High Resolution and Low Maintenance

The **DisplayMaker 72uvx** and **DisplayMaker 98uvx** use 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 72uvx and DisplayMaker 98uvx, 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.



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

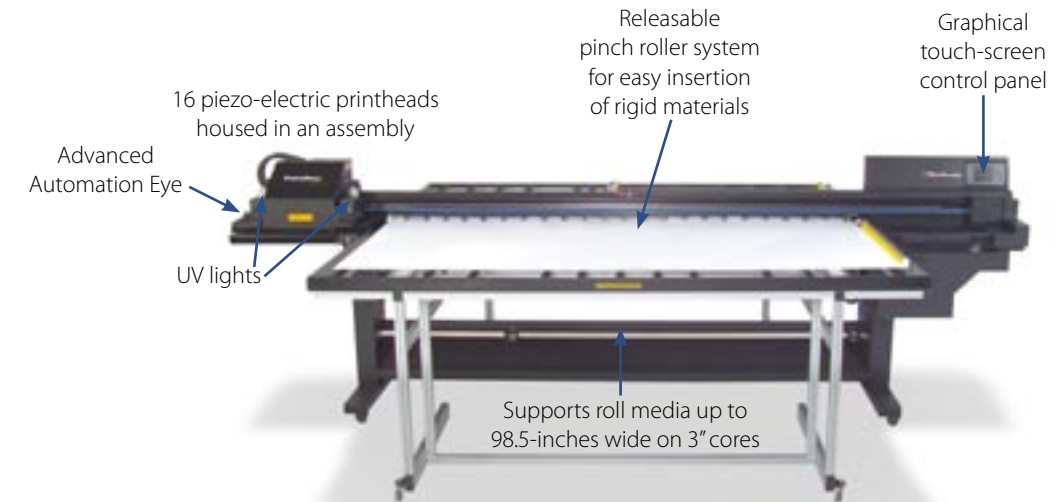
## Inexpensive, Uncoated Media For Low-Cost Production

No more laminating. No more mounting. DisplayMaker 72uvx and DisplayMaker 98uvx print directly onto common display boards like GatorBoard, Fome-Cor and CoroPlast up to 1/2-inch thick. They also print onto a large variety of 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 72uvx and DisplayMaker 98uvx are design-engineered to be production sign systems with their sixteen piezo-electric printheads totaling over 1500 jets, they deliver print speeds up to 112 square feet per hour in 'High Quality' mode, 225 square feet per hour in 'Production' mode and 438 square feet per hour in 'Billboard' mode or 600x300-dpi 'Production' mode.



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

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

Both printers incorporate 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 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.

# DisplayMaker 72uvx

# DisplayMaker 98uvx

## Specifications

### Resolution and Max. Print Speeds

| Mode       | DPI     | DisplayMaker 72uvx<br>Ft <sup>2</sup> /hour (M <sup>2</sup> /hour) | DisplayMaker 98uvx<br>Ft <sup>2</sup> /hour (M <sup>2</sup> /hour) |
|------------|---------|--|--|
| Billboard  | 600x600 | 400 (37.2)   | 438 (40.7)   |
| Production | 600x300 | 400 (37.2)   | 438 (40.7)   |
|            | 600x600 | 200 (18.6)   | 225 (20.9)   |
| Quality    | 600x600 | 100 (9.3)  | 112 (10.4)   |

### 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 roll-fed media on 2" or 3" cores. Releasable pinch rollers with tension adjustment allow for easy loading and optimal media handling.

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

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

### MEDIA THICKNESS

Up to 1/2 inch (12.7 mm)

### MEDIA WIDTH

DisplayMaker 72uvx - 24 to 73 inches (61 to 185 cm)

DisplayMaker 98uvx - 24 to 98.5 inches (61 to 250 cm)

### PRINT WIDTH

1/4 inch right and left margin on flexible media.

Edge-to-edge printing available on rigid media.

### ELECTRICAL

200-240 VAC, single phase, 50/60 Hz, 16 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

|         | DisplayMaker 72uvx | DisplayMaker 98uvx |
|---------|--------------------|--------------------|
| Weight: | 900 lbs (409 kg)   | 975 lbs (443 kg)   |
| Height: | 43.5" (110.5 cm)   | 43.5" (110.5 cm)   |
| Depth:  | 32.0" (81.3 cm)    | 32.0" (81.3 cm)    |
| Width:  | 136.5" (346.5 cm)  | 162" (411.5 cm)    |

### ASSEMBLED DIMENSIONS (without tables)

|         | DisplayMaker 72uvx | DisplayMaker 98uvx |
|---------|--------------------|--------------------|
| Weight: | 375 lbs (170kg)    | 425 lbs (193 kg)   |
| Height: | 52.5" (133.4 cm)   | 52.5" (133.4 cm)   |
| Depth:  | 33.0" (83.8 cm)    | 33.0" (83.8 cm)    |
| Width:  | 137.5" (349.3 cm)  | 159" (403.9 cm)    |

### ASSEMBLED DIMENSIONS (with tables)

|         | DisplayMaker 72uvx | DisplayMaker 98uvx |
|---------|--------------------|--------------------|
| Weight: | 500 lbs (227 kg)   | 550 lbs (250 kg)   |
| Height: | 52.5" (133.4 cm)   | 52.5" (133.4 cm)   |
| Depth:  | 87.7" (222.8 cm)   | 87.7" (222.8 cm)   |
| Width:  | 137.5" (349.3 cm)  | 159" (403.9 cm)    |

### WHAT'S INCLUDED

Four 1-liter ink, 3-liters printhead flush, heavy duty input and output roller tables, 600 sq. ft. banner vinyl, 25-foot VideoNet interface cable, documentation, miscellaneous supplies & accessories, installation & on-site training.

**YES WE CAN**<sup>SM</sup>

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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