

DisplayMaker[®] 72UVR



Flatbed/Roll-fed Hybrid · Low-cost
UV-Curable Inkjet Printer

ColorSpan[®]
by MacDermid



MacDermid ColorSpan offers yet another innovation in large-format inkjet printing—the DisplayMaker® 72UVR. It's the first truly affordable 72-inch-wide UV printer that produces high-quality, high-speed output directly onto inexpensive uncoated materials like common display boards and roll 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 4 CMYK inks, you can create great-looking 600-dpi output. 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 and Low Maintenance

DisplayMaker 72UVR uses ColorSpan's Micro-Quad head technology—sixteen 'industrial-strength' piezo-electric printheads configured in four interlacing rows per process color. Each printhead jets micro-sized (30-picoliter) droplets of ink to deliver near-continuous tone output at true 600 x 600-dpi resolution. With the DisplayMaker 72UVR, you'll produce superior output quality at lower production costs than inferior low-resolution, mega-picoliter 6-color competitors.

Pigmented SolaChrome UV 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 3-liter ink containers are sealed, leak-proof and easy to load.

SolaChrome UV inks (available in C,M,Y, K) are also formulated to 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.

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. Or, print onto inexpensive rolls of low-cost vinyls, papers, fabrics, films and more.



UV-curable printing onto inexpensive, uncoated rigid or roll-fed media for low-cost outdoor and indoor applications

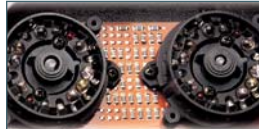
Super-Fast Output Speeds

For High-Volume Environments

DisplayMaker 72uvr is engineered to be a production sign system. With its 16 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.

Automatic Productivity Features

For Great Quality, Easy Operation and Low Maintenance



DisplayMaker 72uvr incorporates 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.

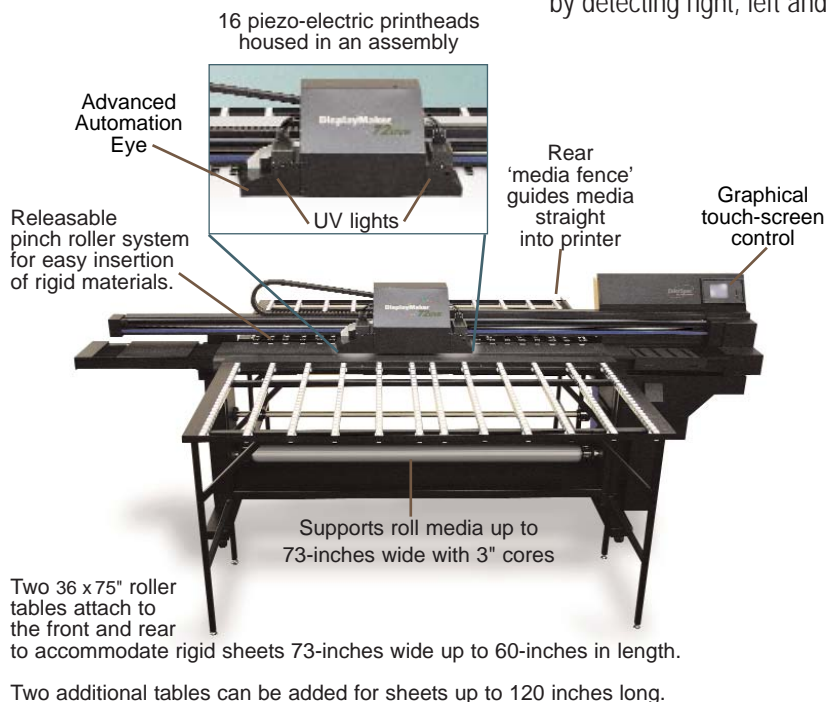
AutoJet™ Calibration — eliminates banding in prints and prolongs the useful life of printheads by mapping out jets that are not up to performance standards and compensating with other jets.

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 — uses the image sensor to help load rigid materials by detecting right, left and leading edges. It also checks for and warns user if the board appears to be loaded askew and when the end of the board is reached.

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 — using the on-board spectrophotometer, DisplayMaker 72uvr prints and automatically reads hundreds of color swatches to allow the ColorMark RIP and color management software to create custom ICC and ColorMark profiles for third-party media.



Specifications

PRINT TECHNOLOGY

16 piezo-electric inkjet printheads utilizing Micro-Quad™ Jet Technology. Drop size approximately 30 picoliters.

RESOLUTION

600 x 600 dpi

PRINT SPEEDS

400 ft² (37.2 m²) per hour, Billboard Quality
200 ft² (18.6 m²) per hour, Production Quality
100 ft² (9.3 m²) per hour, High Quality

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

Two 500-watt user-replaceable UV bulbs

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.

Supports up to 73-inch-wide roll-fed media with 2" or 3" cores.

MEDIA THICKNESS

0.25" (0.635 cm), maximum

MEDIA WIDTH

24 to 73 inches (61 to 185 cm)

PRINT WIDTH

72.5 inches (184 cm), maximum

CONNECTIVITY

Connection to RIP via 25-foot (7.6m) VideoNet cable (included).

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 parts and labor on printer, six months on printheads. Extended warranties available

SHIPPING DIMENSIONS

Weight: 745 lbs. (338 kg.)
Height: 43.5" (110.5 cm)
Depth: 32" (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" (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)

DisplayMaker
72UVR



MacDermid ColorSpan, Inc.
7090 Shady Oak Road
Eden Prairie, MN 55344 USA

North American Sales

Phone: 800-477-7714
952-944-9330
Fax: 952-944-0522

Asia/Pacific Sales

Phone: 952-943-3300
Fax: 952-943-3313

Latin American Sales

Phone: 952-943-3600
Fax: 952-942-5855

Europe/Middle East/Africa Sales

Bijlmermeerstraat 32
2131 HC Hoofddorp
The Netherlands
Phone: +31 23.5622000
Fax: +31 23.5631240

www.colorsan.com