

DisplayMaker[®] 72S/SR

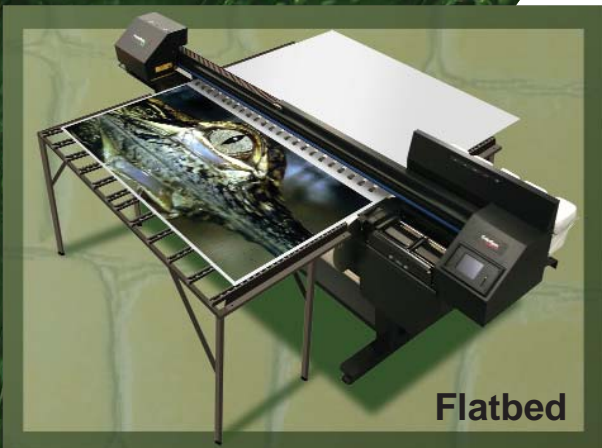


High-Performance, Low-Cost
Solvent Inkjet Printers

ColorSpan[®]
by MacDermid



MacDermid ColorSpan, a constant innovator in wide-format printing, offers a high-speed, low-cost solvent inkjet printer designed for productivity and profitability.



The DisplayMaker® 72s is a straightforward 72" production printer that produces extremely durable, high-quality output for outdoor and indoor applications. Using solvent pigmented inks on inexpensive uncoated media, DisplayMaker 72s lets you sell great-looking output at great prices.

What's more, DisplayMaker 72s includes outstanding automated features to ensure print quality and enhance your productivity. It's easy to operate and easy to maintain — and it's especially smart to own.

Micro-Quad™ Technology

For True 600 x 600-dpi Image Resolution

DisplayMaker 72s incorporates Micro-Quad technology using 16 piezo printheads, each jetting 30-picoliter size drops, to produce high-quality output at true 600x600-dpi resolution.



SolaChrome Inks

For Durability and Printhead Reliability

SolaChrome inks are true solvent-based pigmented inks for direct printing onto inexpensive uncoated media. Specially formulated for the Micro-Quad printing system, SolaChrome inks ensure jet reliability and prolong printhead life, resulting in low maintenance. They produce highly durable output for rigorous display applications offering an outdoor display life of up to 5 years. SolaChrome inks produce vibrant, high-resolution 600-dpi output with just four process colors (cyan, magenta, yellow and black), therefore using significantly less ink than any low-resolution (large drop) 6-color competitor.

SolaChrome inks and solvent cleaning solution use 3.5-liter reservoirs that can be easily refilled, even while printing. The ink delivery system of DisplayMaker 72s is another valuable productivity feature for non-stop printing.

Self-Cleaning Printheads

For Continuous Productivity

Printhead and jet maintenance is easy with the on-board self-cleaning system and capping station. The printhead service station uses 16 motorized wiper blades and a solvent bath to keep printheads at peak performance.

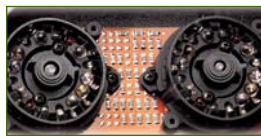


HIGH-SPEED, LOW-COST, TRUE SOLVENT PRINTER for Outdoor and Indoor Applications

Super-Fast Output Speeds for the Serious Printing Professional

DisplayMaker 72s is engineered to be a production workhorse. It utilizes 16 piezo-electric printheads, totaling over 1,500 jets, to deliver print speeds of 200 square feet per hour in Production mode and 400 square feet per hour in Billboard mode.

Automatic Productivity Features for Quality Assurance and Ease of Operation



DisplayMaker 72s incorporates ColorSpan's Advanced Automation Eye technology that consists of a high-resolution image sensor and Colorimetric photo diode, allowing the printer to automate the setup and calibration steps that are critical for achieving and maintaining outstanding print quality:

AutoSet™ Calibration — analyzes dot placement of printed patterns and automatically sets the bi-directional alignment calibration across variable print speeds and media thicknesses.

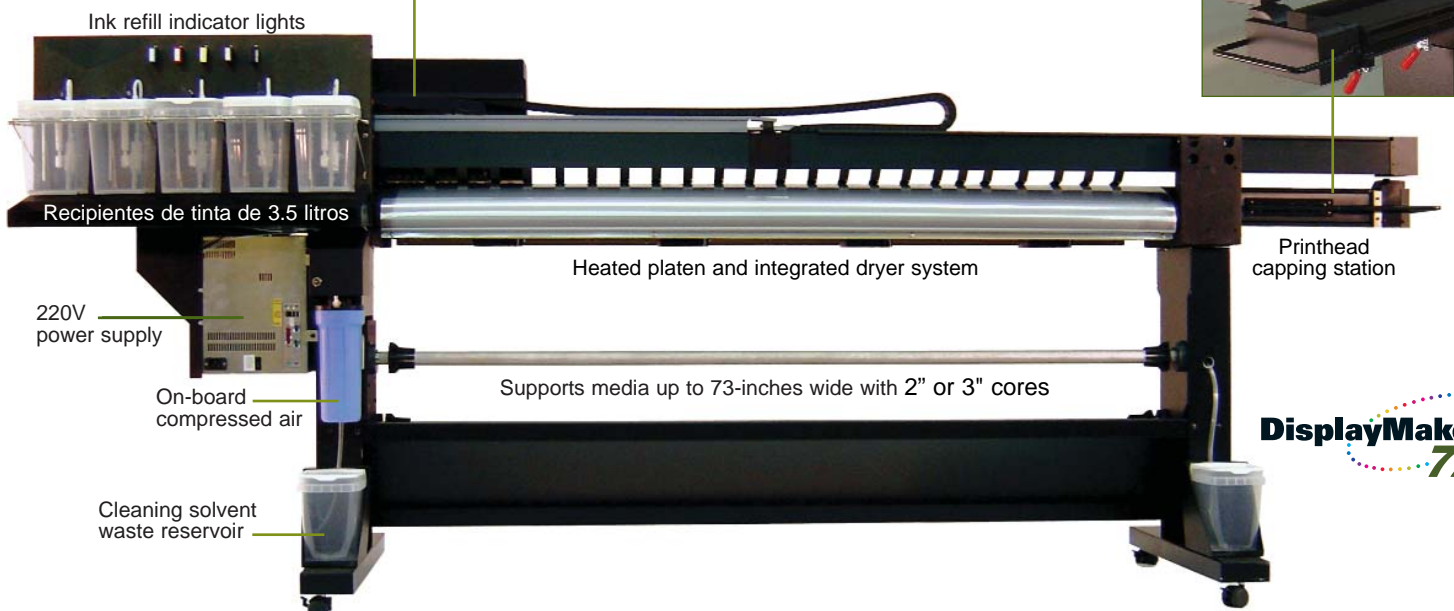
AutoJet™ Calibration — eliminates banding in prints and prolongs the useful life of printheads by mapping out jets that are not up to performance standards and compensating with other jets.

AutoTune™ Scheduler — schedules the AutoJet Calibration to occur during unattended print runs to ensure maximum print quality and minimize waste or reprinting.

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 without the need for external measurement devices.

Color Profiling — using the on-board spectrophotometer, DisplayMaker 72s prints and automatically reads hundreds of color swatches to allow the ColorMark RIP and optional ColorMark+ software to create custom ICC and ColorMark profiles for the media you choose to print on.

16 piezo-electric printheads housed in an assembly



**DisplayMaker.
72s**

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-HR 4-color (CMYK) solvent pigmented inks. 3.5-liter reservoirs with level indicators.

SolaChrome-HR head cleaning solvent solution. 3.5-liter reservoir with level indicator. Two 3.5-liter waste containers.

AUTOMATED PRINTHEAD MAINTENANCE

On-demand head cleaning.
Automatic and on-demand jet recovery.
On-demand solvent cleaner purge and ink refill.

MEDIA HANDLING

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

Front and rear roller tables support rigid materials up to 60-inches (152 cm) in length (72SR only).

MEDIA THICKNESS

up to 3/16" (5 mm)

MEDIA WIDTH

24 to 73 inches (61 to 185 cm)

PRINT WIDTH

72.5 inches (184 cm), maximum

HEATED MEDIA PRE-PRINT AND PRINT AREAS

Maintains uniform surface temperature across printing area to control dot gain on various media.

HEATED DRYER*

Heated drying surface allows prints to dry before being rolled on to the take-up spool.

*Note: Results may vary based on media and color profile characteristics.

CONNECTIVITY

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

ELECTRICAL

220-240 VAC, single phase, 50/60 Hz, 14.8 Amps

OPERATING CONDITIONS

68° to 85° F (20° to 30° C)
20% to 80% Relative Humidity, non-condensing

WARRANTY

Six months parts and labor
Extended warranties available

SHIPPING DIMENSIONS

Weight (72s):	620 lbs.	(282 kg)
Weight (72sr):	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:	380 lbs.	(173 kg.)
Height:	52.5"	(133.4 cm)
Depth:	33"	(83.8 cm)
Width:	135.7"	(344.7 cm)

ASSEMBLED DIMENSIONS (WITH TABLES)

Weight:	505 lbs.	(229 kg.)
Height:	52.5"	(133.4 cm)
Depth:	87.7"	(222.8 cm)
Width:	133"	(337.8 cm)

DisplayMaker
72s

DisplayMaker
72SR

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