

DisplayMaker 72s1 DisplayMaker 98s1

Solvent Inkjet Printers

High Speed
High Quality
Low Production Costs



YES WE CANSM

 **MacDermid**
ColorSpan

Production-Oriented Sign and Banner Printers

The **MacDermid ColorSpan** DisplayMaker® 72si and DisplayMaker® 98si are high-speed solvent inkjet printers with award-winning print quality and low cost of operation designed for your productivity and profitability. They are straightforward, easy to operate 72" and 98" (184 cm and 250 cm) wide production printers, that produces extremely durable, high-quality graphics for both outdoor and indoor applications. Using solvent pigmented inks on a variety of inexpensive uncoated media, these printers enable you to sell great-looking output at great prices.

By adding an optional set of flatbed roller tables you can even print directly to rigid display boards, bypassing the need to mount prints using a laminator. What's more, the DisplayMaker 72si and DisplayMaker 98si include outstanding automated features to ensure print quality and maximize your productivity. They are easy to operate, easy to maintain—and especially smart to own.

Micro-Quad™ Technology for True 600x600-dpi Image Resolution

The **DisplayMaker 72si** and **DisplayMaker 98si** incorporate our own Micro-Quad technology using sixteen long-lasting, industrial piezo printheads, each jetting 25-picoliter size drops, to produce high-quality output at 600x600-dpi resolution. Three 600x300-dpi print modes are also available for faster print speeds and lower ink consumption.

SolaChrome™ Inks for Durability and Printhead Reliability

SolaChrome inks are true solvent-based pigmented inks for direct printing onto the widest range inexpensive uncoated media. Specially formulated for the Micro-Quad printing system, SolaChrome inks ensure jetting reliability and prolong printhead life, resulting in low maintenance and ease of use. 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 6-color competitor.

SolaChrome inks and solvent cleaning solution come in large, no-pour, 3-liter containers that keep you printing and not filling. The ink delivery system of the DisplayMaker 72si and DisplayMaker 98si are another valuable productivity feature for non-stop printing.



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

Self-Cleaning Printheads for Continuous Productivity

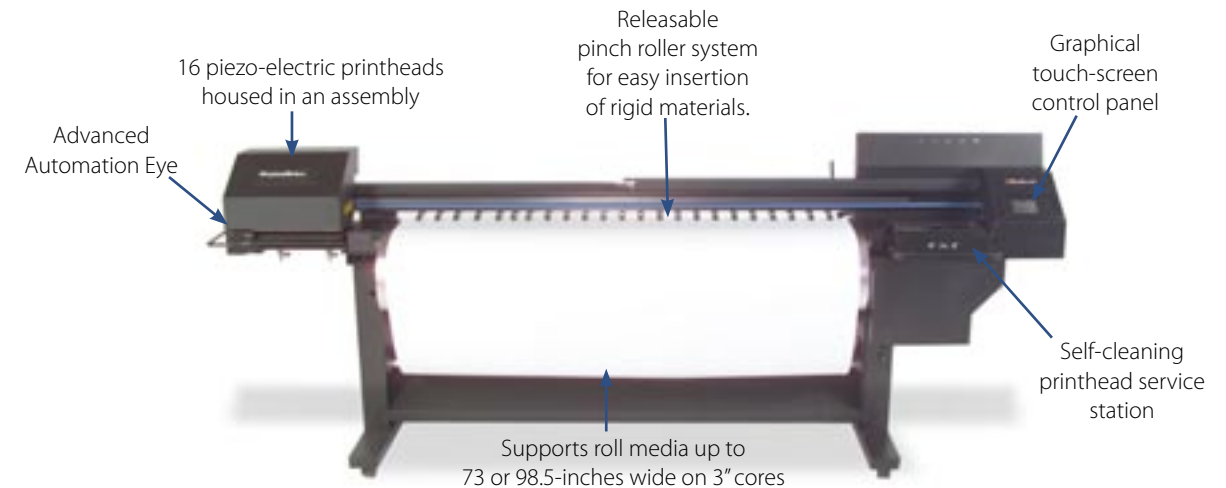
Printhead and jet maintenance is easy with the on-board self-cleaning system and capping station. The printhead service station uses sixteen motorized wiper blades that pass through a fresh bath of cleaning solvent and gently wipe the heads clean and keeps them at peak performance.

When your production day is done, simply push a button to move the carriage assembly to the capping area and lift the handles to cap the printheads. In the morning, wake it up by lowering the handles and do a one-button Purge & Wipe and its ready to go again.

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

Super-Fast Output Speeds for the Serious Printing Professional

DisplayMaker 72si and DisplayMaker 98si are design-engineered to be production workhorses. They utilize sixteen industrial-quality piezo-electric printheads, totaling over 1,500 jets, to deliver sellable prints at blazing speeds of 200 to 438 square feet per hour in Production mode and even faster—400 to 700 square feet per hour in Billboard mode.



Two optional 36" roller tables attach to the front and rear to accommodate rigid sheets 73 or 98.5-inches wide and up to 60-inches in length.

Two additional tables can be added for sheets up to 120 inches (3 meters) long.

Automated Features for Quality Assurance and Productivity

Both printers incorporate MacDermid 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 missing jets or those 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 data to the external RIP's color management software. The color management system then linearizes the color curves to ensure accurate and consistent color.

Color Profiling

Using the on-board spectrophotometer, the DisplayMaker 72si and 98si print and automatically read hundreds of color swatches to allow the RIP and color management software to create custom ICC and ColorMark® profiles for the media you choose to print on.

DisplayMaker 72s1

DisplayMaker 98s1

Specifications

Resolution and Max. Print Speeds

Mode	DPI	DisplayMaker 72s1 Ft ² /hour (M ² /hour)	DisplayMaker 98s1 Ft ² /hour (M ² /hour)
Billboard	600x300	650 (60.4)	700 (65.0)
	600x600	400 (37.2)	438 (40.7)
Production	600x300	400 (37.2)	438 (40.7)
	600x600	200 (18.6)	225 (20.9)
Quality	600x300	200 (18.6)	225 (20.9)
	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-HR 4-color (CMYK) solvent pigmented inks and SolaChrome-HR head cleaning solvent solution supplied in no-mess 3 liter 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 roll-fed media on 2" or 3" cores. Releasable pinch rollers with tension adjustment allow for easy loading and optimal media handling. Optional front and rear roller tables support rigid materials up to 60-inches (152 cm) in length.

MEDIA THICKNESS

Up to 1/4 inch (6.35 mm)

MEDIA WIDTH

DisplayMaker 72s1 - 24 to 73 inches (61 to 185 cm)

DisplayMaker 98s1 - 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, 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

	DisplayMaker 72s1	DisplayMaker 98s1
Weight:	720 lbs (327 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 72s1	DisplayMaker 98s1
Weight:	380 lbs (173 kg)	430 lbs (195 kg)
Height:	53.0" (134.6 cm)	53.0" (134.6 cm)
Depth:	32.0" (81 cm)	32.0" (81 cm)
Width:	135.7" (344.7 cm)	159" (403.9 cm)

ASSEMBLED DIMENSIONS (with tables)

	DisplayMaker 72s1	DisplayMaker 98s1
Weight:	505 lbs (229 kg)	555 lbs (252 kg)
Height:	53.0" (134.6 cm)	53.0" (134.6 cm)
Depth:	87.7" (222.8 cm)	87.7" (222.8 cm)
Width:	135.7" (344.7 cm)	159" (403.9 cm)

WHAT'S INCLUDED

Ink Starter Kit (1-liter each, CMYK), 3-liters printhead cleaning solution, 600 sq. ft. banner vinyl, 25-foot VideoNet interface cable, documentation, miscellaneous 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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