

# DisplayMaker®

# 110s

PRODUCTION SIGN SYSTEM

*Grand Format Solvent Printer*



**ColorSpan®**  
by MacDermid

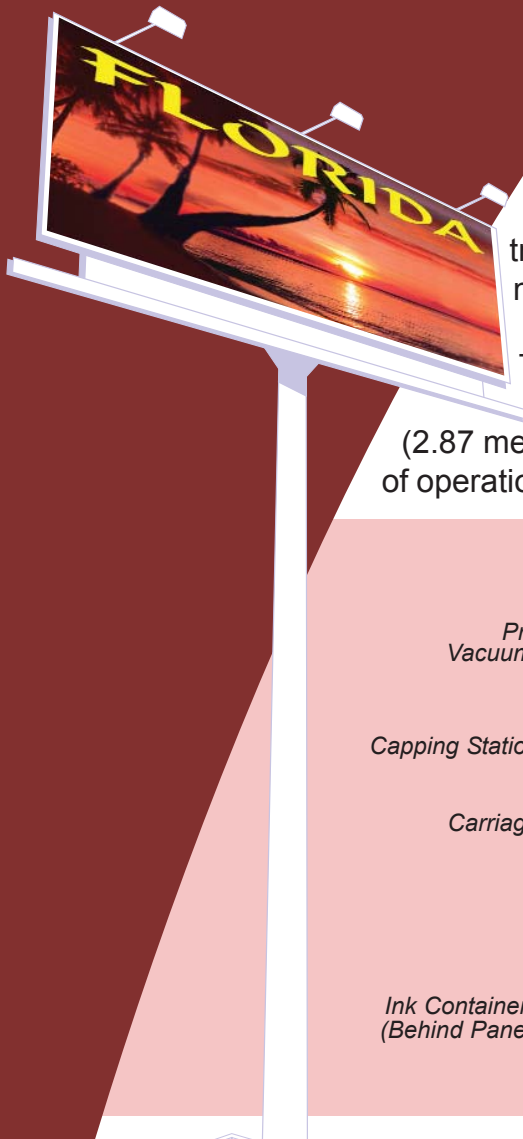
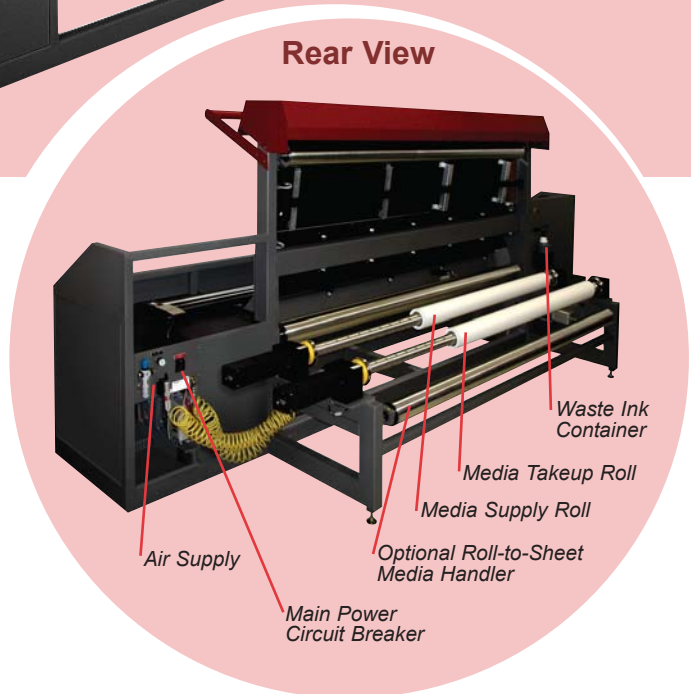
# DisplayMaker<sup>®</sup> 110s

PRODUCTION SIGN SYSTEM

Finally, a production sign system that delivers the speed and width of a grand format printer at a price that is affordable to both small and high volume sign and graphic companies, making it the right choice for profitable outdoor Big Color<sup>®</sup> print production.

The DisplayMaker<sup>®</sup> 110s is a super-wide solvent-based inkjet printer with a top speed of up to 1,000 square feet (92.9 m<sup>2</sup>) per hour. It uses four colors (CMYK) of solvent based inks for printing directly to uncoated vinyl and other substrates, for outdoor-durable applications at low production costs. It is ideal for high-volume production of billboards, large banners, flexible truck-side graphics, vehicle wraps, seamable building banners and much more.

The DisplayMaker 110s Production Sign System delivers 360 dpi, four-color quality output on a variety of substrates up to 113 inches (2.87 meters) wide. If your outdoor sign business needs speed, size, low cost of operation and ease of maintenance, look no further than DisplayMaker 110s.

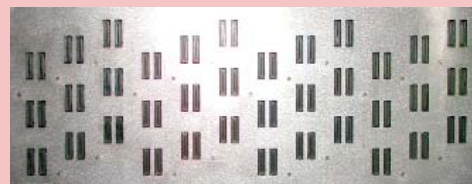


Using a unique array of 72 piezo-electric printheads, the DisplayMaker 110s uses Redundant Jet Technology and multi-pass printing to deliver fast, quality output at a variety of user-selectable print modes.

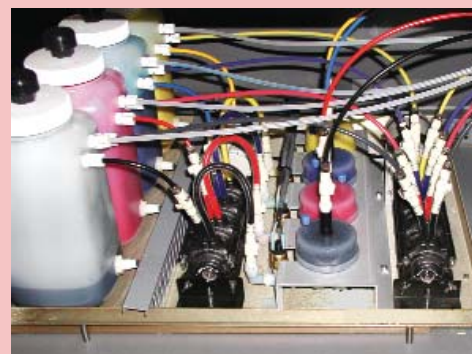
And, to keep your production at its peak, SolaChrome™ pigmented solvent inks have been formulated specifically for this printer to maximize head life, minimize user maintenance and deliver durable outdoor graphics that can withstand the elements for up to 5 years.

## **DisplayMaker 110s Features:**

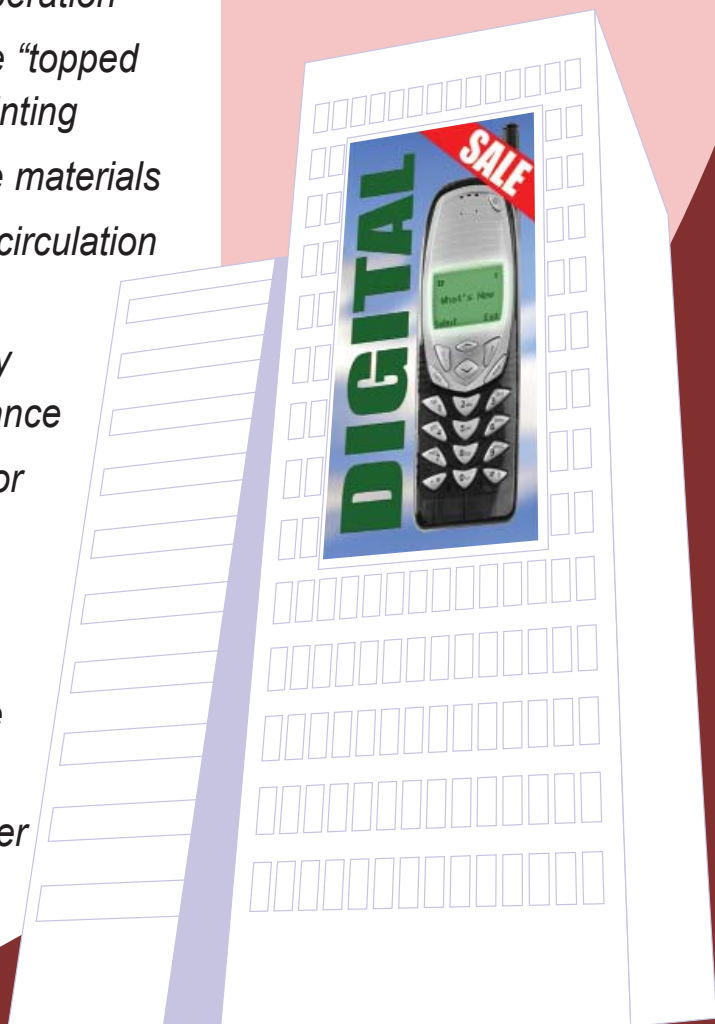
- ◆ *Proven piezo-electric printhead technology utilizing over 9000 jets*
- ◆ *Production print speeds up to 1000 square feet (92.9 m<sup>2</sup>) per hour*
- ◆ *Design-engineered for 24/7 operation*
- ◆ *Unparalleled price/performance ratio*
- ◆ *SolaChrome 4-color pigmented solvent inks provide excellent color, durability and low cost of operation*
- ◆ *Four 3.2 liter bulk ink reservoirs that can be “topped off” for non-stop high volume production printing*
- ◆ *Direct printing on uncoated outdoor durable materials*
- ◆ *Peristaltic ink pumps provide continuous recirculation and filtration of ink to prevent clogging*
- ◆ *Brushless servo motors driving permanently lubricated gearboxes requiring no maintenance*
- ◆ *Automated vacuum purging of printheads for easy maintenance*
- ◆ *Tensioned media feed and take-up rollers ensure proper media alignment*
- ◆ *Optional Roll-to-Sheet output for immediate handling of completed prints*
- ◆ *Built-in ColorMark Pro print server and raster image processor (RIP)*
- ◆ *Integrated ventilation hood with direct hook-up for exhaust*



**72 Piezo-Electric Printheads**



**Four 3.2-Liter Ink Reservoirs**



# Specifications

## TECHNOLOGY

### Ink Delivery

72 piezo-electric inkjet printheads with 9,216 jets resulting in high-speed and high-quality prints.

### Resolution

Up to 360 dpi

## PRODUCTIVITY

### Print Speeds\*

1000 ft<sup>2</sup> / 92.9 m<sup>2</sup> per hour, 2-pass.

700 ft<sup>2</sup> / 65 m<sup>2</sup> per hour, 4-pass.

350 ft<sup>2</sup> / 32.5 m<sup>2</sup> per hour, 8-pass.

### Inks

SolaChrome solvent-based four-color (CMYK) pigment inks.

3.2-liter bulk ink reservoirs that can be "topped off" for non-stop production printing.

Peristaltic pumps provide continuous recirculation and filtration of ink supply eliminating contamination of inks from seal leakage.

### Printhead Purging

Automated vacuum purging minimizes start-up by clearing printheads.

### Media Handling

Roll-To-roll or optional Roll-To-Sheet output using either 3" or 6" (7.6 or 15.2 cm) cores locked in place using air pressure.

### Media Width

Up to 113 inches / 287 cm. Truck-side graphics and billboard production without tiling.

### Adjustable Heated Platen

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

### Adjustable Heated Dryer

Built-in drying system allows prints to dry before being rolled onto take-up reel.

### Web Handling

Brushless servo motors driving permanently lubricated gearboxes.

Removable air cores with automatic locking safety chucks make it easy to load and unload material of any width.

\* Absolute print speeds may vary based on several factors including, but not limited to, environment, print speed, substrates and drying performance. Other print modes / speeds are available.



**DisplayMaker**  
**110s**  
PRODUCTION SIGN SYSTEM

## RASTER IMAGE PROCESSOR (RIP)

### ColorMark Pro Print Server

High-speed RIP software and hardware including color management system, profile generation software. Features include sizing, rotation and tiling of images.

### Connectivity

Mac and PC connectivity via 100base-T Ethernet LAN.

## ENVIRONMENT

### Electrical Requirements

220-240 VAC, single phase 50/60Hz with 25-amp service (USA) or 32-amp service (Europe).

### Air Pressure Requirements

70 psi at 3 cfm minimum, oil- and water-free.

### Operational Temperature

68°F and 85°F (20°C and 30°C)

### Relative Humidity

20% to 80%, non-condensing

### Dimensions

202" L x 96" H x 72" D

513.1 cm L x 248.9 cm H x 182.9 cm D

### Weight

Approx. 4000 lbs. (1814 kg)

## 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



©2003 MacDermid ColorSpan, Inc.  
All rights reserved. PN:110SBR2 08/03

[www.colorsan.com](http://www.colorsan.com)