

DisplayMaker[®]

SERIES XII

Large format inkjet printer

- Speed
- Versatility
- Reliability



ColorSpan[®]
by MacDermid

DisplayMaker[®]

SERIES XII

Industry-leading Speed, award-winning quality and user-friendly automation. The DisplayMaker Series XII has it all. Its revolutionary 12-printhead design gives the flexibility to meet the demands of your business and your customers. Produce 12-color expanded-gamut film-quality images at an apparent 1800 dpi for your most scrutinizing, quality conscious customers. Double your speed with two sets of 6-colors and get great looking output at an apparent 1200 dpi. For the big jobs, use three sets of CMYK to produce 600 dpi prints at up to 240 ft² per hour.



Endless Color Choices

Broaden your color gamut and extend display life with the largest selection of dye and pigmented inks. Achieve higher color quality and make your images more vibrant with EnduraChrome[®] dye inks — available in cyan, magenta, yellow, black, red, green, blue and orange process colors for creating endless color choices with a greatly increased color gamut. In addition, medium cyan, light cyan, medium magenta, light magenta and medium blue multi-density inks are available to improve the apparent image resolution by adding detail and smoothness in the highlights and midtones of images. There is even a four level multi-density black ink set for reproducing incredible monochrome (B&W) photography.



When you need outdoor graphics that can withstand the elements or fine art prints that will be displayed for generations, PermaChrome[®] pigment inks are designed to hold up to the task. Outdoor graphics using our PermaChrome Outdoor Matched System are warranted to last up to 3 years.

Servicing both the indoor and outdoor markets is not a problem with the DisplayMaker Series XII. AutoInk allows you to set up the printer with two different sets of ink and automatically switch between ink sets without complicated flushing and cleaning procedures.

Automation

Automation Eye technology from ColorSpan transforms the way humans and printers interact. Our on-board image camera and diagnostic software simplifies the calibration steps necessary to maintain accurate print quality. The Automation Eye performs printhead alignment and color calibration at the touch of a button. It automatically detects and compensates for missing, clogged or deflected jets. The Automation Eye provides precision without complication.

Make the most use of your time by printing unattended with the DisplayMaker Series XII. Built into the printer is a heated force-air dryer system to ensure prints are properly dried even at higher print speeds. An integrated humidity sensor paces dry-time in higher humidity environments to eliminate waste and reprints. The motorized take up spool winds prints on 2" or 3" cores so they are ready for trimming and finishing. Unattended printing — Don't you have better things to do?

Flexibility

The DisplayMaker Series XII handles a variety of applications with ease: high quality indoor photographic prints and backlit displays, durable outdoor vinyl signs and banners, archival fine art prints on canvas or watercolor paper, even elegant soft fabric banners. With a choice of 52" (132cm), 62" (157cm) or 72" (182cm) wide printers, you can size up your wide-format capabilities to achieve both large prints and media cost savings from printing smaller images together.

RIP Versatility

Only you know what your business and individual workflow requires, so we offer a wide range of RIP options. Choose a RIP solution from ColorSpan or our 3rd-party RIP partners. ColorSpan RIPs include the ColorMark Pro and RIPStation Print Servers. Each turnkey system offers fast, efficient file processing and user-friendly operation. Third-party solutions include products from ColorGATE, Image Technologies, HighWater Designs, Onyx Graphics, Vidar Systems and Wasatch Computer Technologies. Talk to a ColorSpan representative for more information on these solutions.



Quality and Innovation



Specifications

PRINT TECHNOLOGY

12-Color thermal inkjet

ARCHITECTURE

Roll-fed reciprocating head

INK DELIVERY SYSTEM

Big Ink® Delivery System standard

INK CAPACITY

6 liters (Twelve 500 ml Big Ink packs)

COLORMARK® BIG INK OPTIONS

Endura•Chrome® LightFast Dye Ink

(Cyan, Magenta, Yellow, Black, Orange, Green, Blue, Red, Med. Magenta, Med. Cyan, Med. Blue, Lt. Cyan, Lt. Magenta, Dark Black, Med. Black, Med./Lt. Black, Lt. Black)

Perma•Chrome Pigmented Ink

(Cyan, Magenta, Yellow, Black, Med. Cyan, Med. Magenta)

PAPER HANDLING

Manual or roll feed with auto width detection.

MAXIMUM PRINT SPEED

High Speed Mode 240 sq ft/hour
(jet replacement disabled) 23.3 sq m/hour

Production Mode 180 sq ft/hour
10.7 sq m/hour

HiRes Mode 120 sq ft/hour
11.2 sq m/hour

Film Quality 60 sq ft/hour
5.6 sq m/hour

MAXIMUM MEDIA THICKNESS

.125" (3.175mm)

MAXIMUM PRINT WIDTH

71.5" (182 cm)

61.5" (156 cm)

51.5" (131 cm)

ELECTRICAL REQUIREMENTS

Auto-sensing, auto switching voltage.

100-120 VAC, 50-60 Hz

200-240 VAC, 50-60 Hz

Requires two electrical connections

OPERATING CONDITIONS

60° to 90° F (16° to 32° C)

10% to 80% RH, non-condensing

40% to 60% RH, optimum

Humidity Compensation: Humidity sensor monitors relative humidity and adjusts print speed as necessary to ensure adequate drying.

STORAGE CONDITIONS

0° to 120° F (-17° to 49° C)

10% to 80% RH, non-condensing

AGENCY APPROVALS

Safety: UL, c-UL

Emissions: FCC-A, CE and VCCI-1

DEPOT WARRANTY

One year parts and labor.

SERVICE AND SUPPORT

Telephone and World Wide Web technical support included; on-site maintenance available.

SHIPPING DIMENSIONS

Weight: 450 LBS. (202.5 kg)
470 LBS. (211 kg)
490 LBS. (220.5 kg)

Height: 37" (92.5 cm)

Depth: 32" (80 cm)

Width: 126" (315 cm)

Assembled DIMENSIONS

Weight: 250 LBS. (112.5 kg)
270 LBS. (121.5 kg)
290 LBS. (130.5 kg)

Height: 50.5" (126.2 cm)

Depth: 33" (82.5 cm)

Width: 102" (259.1 cm)

112" (284.5 cm)

122" (309.9 cm)

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