

DuPont™ Cromaprint® 18UV

DIGITAL PRINTING SYSTEM

DuPont Imaging Technologies

DuPont™ Cromaprint® UV digital printing systems enable you to produce colour any way you want it for a wide variety of graphics, signage, and specialty print applications. Each Cromaprint® wide format inkjet system delivers superior colour printed directly to rigid or flexible substrates, without expensive pre-coating.

The DuPont™ Cromaprint® 18UV digital printing system is a fully integrated print production solution, including: an industrial strength printer unit, feed and receiving platforms for rigid media, roll-to-roll auto take-up, network able print server hardware, the DuPont™ Cromanet® colour control and workflow software suite, a DuPont gamut enhanced inkset, installation, training, and award winning DuPont service and support.

DuPont™ Cromaprint® 18 UV systems are designed for application versatility and ease of use, providing fast set-up from job to job, including quick and easy conversion from rigid to roll media. DuPont™ Cromaprint® UV curable ink technology, *only* from DuPont, combines next-generation dispersant technology with high-end components to produce a gamut enhanced four colour ink set; featuring fast, high-gloss, uniform curing at low-energy levels to ensure accurate colour reproduction on a variety of media. Applications for Cromaprint® UV technology include direct digital printing to many rigid materials (PVC, styrene, foam boards, aluminum, polycarbonate, wood, and corrugated boards), as well as common flexible substrates (polyester films, synthetic textiles, poly vinyl, Tyvek®) and a wide variety of specialty polymers.

Quality, versatility, speed, and a company philosophy dedicated to technology innovation and customer support set Cromaprint® UV apart in the growing inkjet market place.



*Photo of prototype

System Technology

Brief Description	1.83 m wide (72 in) Combination Flatbed/Roll-To-Roll UV Cure Digital Printing System
Cromaprint® UV Cure Ink Colours	4 Expanded Gamut Colours - 3 Liter Each Cyan Magenta Yellow Black
Print Heads	8 Temperature Controlled Spectra Galaxy 256 (2 per color)
Maximum Width Rigid and Roll	1.83 m (72 in) Edge to Edge
Maximum Length - Rigid	2.5 m (96 in) - With Included Rigid Tables
Maximum Length - Roll	Length of Roll or 100 m (328 ft)
Maximum Substrate Thickness	Up to 25.4 mm (1 in)
Auto Roll Feed Take-up & Rigid Media Tables	Included with Standard Configuration
Substrate Drive Type	Friction feed with individually controlled pressure rollers and vacuum assist

Print Resolutions/Productivity

- Selectable print modes with DuPont custom dither/screening technology
- Bi- and uni-directional printing
- Multiple pass imaging with high quality image interlacing
- Resolutions up to 1000dpi

Production Modes	Speed/Hour
Ultra Speed Mode	61.8m ² (665ft ²)
Typical Production Modes	37.3m ² (402ft ²) to 19m ² (204ft ²)
Ultra Quality Mode	10m ² (108ft ²)



The miracles of science™

“Color any way you want it”

Environmental

Power Requirements:

Main Control and UV Supply - 220 Vac, Single Phase
30 A, 50/60 Hz

Operating Temperature Range: 20 - 30°C (68 - 85°F)

Humidity Range: 30 - 70% non-condensing

Ink Storage: Cromaprint® inks should be stored at a temperature range between 4°C - 35°C (40°F - 95°F)

Footprint (L x W x H):

Printer (without roller tables attached)
330 cm x 70 cm x 137 cm (10.83 ft x 2.30 ft x 4.49 ft)
(Fits through most standard door openings)

Complete System: (with roller tables attached)
330 cm x 220 cm x 137 cm (10.83 ft x 7.23 ft x 4.49 ft)

Weight (out of crate): <400 kg (882 lb)

Air Exhaust: Direct vented (Check for local regulations)

Working Space: Minimum 4.88m (16 ft) front to back space is required to print on 122 cm x 244 cm (4 ft x 8 ft) rigid boards

Software and Controller

DuPont™ Cromanet® Print Controller Server:

Integrated Windows® computer hardware/software print controller with LCD front panel user interface manages:

- Printer control functions and screening
- Colour Management
- RIP/Workflow
- User maintenance

Colour Management: DuPont™ Cromanet® includes spectral calibration, profiling and editing for both process and spot colours.

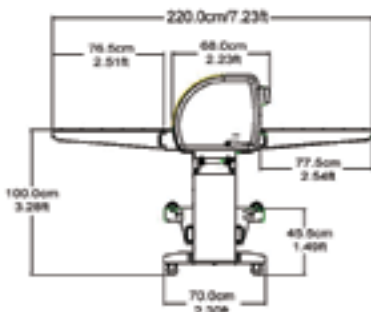
RIP/Workflow: DuPont™ Cromanet® digital workflow software suite includes:

- Adobe® PostScript® 3™ RIP Engine
- Send and Print Workflows for TIFF, JPEG, EPS, PDF
- Spot Colour Support (CIE L*a*b*)
- Post RIP Workflow & Productivity Tools

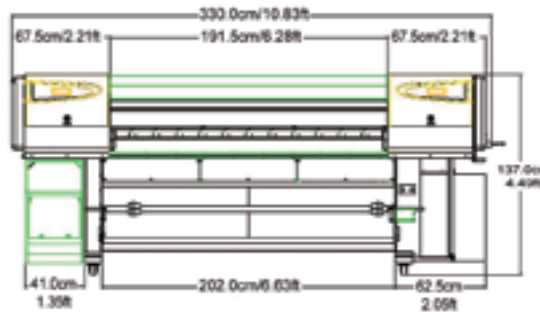
Safety Standard: CE, FCC, DuPont SHEA Certified

Warranty: 1 year parts and labor

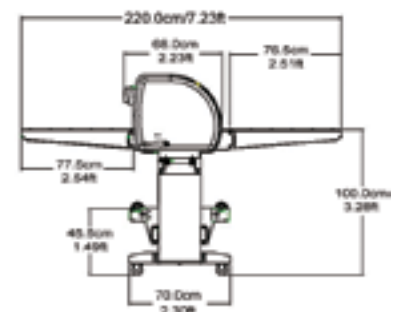
Right View



Front View



Left View



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DuPont Sales and Support

DuPont Imaging Technologies supplies and supports customers from research, manufacturing and sales.

DuPont (U.K.) Limited
DuPont Imaging Technologies
Wedgewood Way, Stevenage
Hertfordshire SG1 4QN
United Kingdom

Tel. +44 (0)1438 734000

www.cromaprint.dupont.com

For more info, e-mail DigitalPrinting@dupont.com

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