

# DuPont™ Cromaprint™ 22UVse DIGITAL PRINTING SYSTEM

## DuPont Imaging Technologies

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

The DuPont™ Cromaprint™ 22UVse (speed enhanced) digital printing system is a fully integrated print production solution, including: an industrial strength printer, feed and receiving tables for rigid media, roll-to-roll auto take-up, network-able print server hardware, the DuPont™ Cromanet® color control and workflow software suite, a DuPont gamut enhanced inkset, installation, training, and award winning DuPont service and support.

Cromaprint™ 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. The DuPont™ Cromaprint™ UV curable ink technology, *only* from DuPont, combines next generation dispersant technology with high-end components to produce a gamut enhanced six color (plus white) ink set; featuring fast, high-gloss, uniform curing at low-energy levels to ensure accurate color reproduction on a wide variety of media. Applications for the Cromaprint™ UV technology include direct digital printing to many rigid materials (PVC, styrene, foam boards, aluminum, polycarbonate, wood, and corrugated boards) as well as most 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.



## System Technology

### Brief Description

2.2 m wide (86 in) Combination Flatbed/  
Roll-To-Roll UV Cure Inkjet Digital Printing System

### Cromaprint™ UV Cure Ink Colors



7 Colors - 4 Liter Bulk Load  
Cyan, Magenta, Yellow, Black, Light Cyan,  
Light Magenta, and White  
(White channel is offset to allow in-line color over  
white printing at production speeds.)

### Print Heads

14 Temperature Controlled Spectra Galaxy 256  
(2 per color)

### Maximum Width Rigid and Roll

2.2 m (86 in)

### Maximum Length - Rigid

3.2 m (126 in) - Length of Feed and Take-up Tables

### Maximum Length - Roll

Length of roll or 100 m (328 ft)

### Maximum Substrate Thickness

Up to 50.8 mm (2 in)

### Auto Roll Feed Take-up & Rigid Media Tables

Included with standard configuration

### Substrate Drive Type/Vacuum Bed

Continuous Belt Over 5 Zone Vacuum Flatbed

### Print Resolutions/Productivity

- Eight 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 2400dpi

Production Modes	Speed/Hour
Ultra Speed Mode	63.2m <sup>2</sup> (680.3ft <sup>2</sup> )
Typical Production Modes	38.1m <sup>2</sup> (410ft <sup>2</sup> ) to 20.6m <sup>2</sup> (222ft <sup>2</sup> )
Ultra Quality Mode	11m <sup>2</sup> (118ft <sup>2</sup> )



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

Vacuum - 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™ UV 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)

468 cm x 140 cm x 188 cm (15.35 ft x 4.59 ft x 6.17 ft)

(Fits through most standard 2-door openings)

**Complete System:** (with roller tables attached)

468 cm x 340 cm x 188 cm (15.35 ft x 11.15 ft x 6.17 ft)

**Weight (out of crate):** <2700 kg (5952 lb)

**Air Exhaust:** Direct vented, minimum 550 CFM at each duct  
(Configuration needs vary per facility. Consult HVAC technician for further details)

**Compressed Air:** 90 psi at 3 cfm - dry air (Compressor separator or dryer may be needed to achieve condensation free operation)

## 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
- Color Management
- RIP/Workflow
- User maintenance

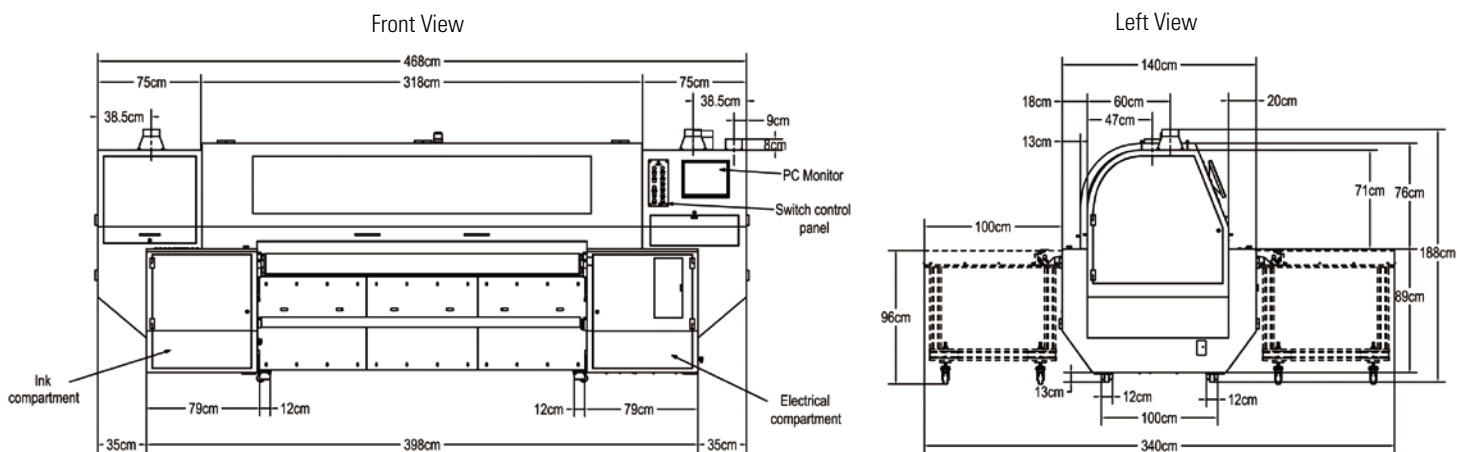
**Color Management:** DuPont™ Cromanet® includes spectral calibration, profiling, and editing for both process and spot colors.

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

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

**Safety Standard:** CE, FCC, DuPont SHEA Certified

**Warranty:** One year parts and labor



All technical information set out herein is provided free of charge and is based on technical data which DuPont believes to be reliable. It is intended for use by persons having skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use are outside of our control we make no warranties express or implied in relation thereto and therefore cannot accept any liability in connection with any use of this information. Nothing herein is to be taken as a licence to operate under, or a recommendation to infringe any patents.

The DuPont Oval, DuPont®, The miracles of science™, Cromanet® and Cromaprint™ are trademarks or registered trademarks of DuPont or its affiliates. All other trademarks are owned by their respective companies. Copyright © 2007 E.I. du Pont de Nemours and Company. All rights reserved. K-07380-V4 (8/07) Printed in the U.S.A.

## DuPont Sales and Support

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

DuPont Imaging Technologies

Toll Free - (USA) 800-345-9999

4417 Lancaster Pike, Wilmington, DE 19805

[www.cromaprint.dupont.com](http://www.cromaprint.dupont.com)

For more info, e-mail [DigitalPrinting@dupont.com](mailto:DigitalPrinting@dupont.com)

The latest technical developments are constantly being incorporated into DuPont products. Illustrations and descriptions are therefore subject to modification. All rights reserved on images and illustrations.



The miracles of science™