

Quantum 4C Colour Printer

High-speed, variable
colour printing



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For all your single-pass variable colour
printing needs on a variety of flat
printed materials

Uncompromising, High-Resolution Colour Printing



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QUANTUM 4C COLOUR PRINTER

Building on over 25 years of proven inkjet performance and experience, BUSKRO has expanded its suite of colour inkjet printers to include a Quantum-based colour printer: The Quantum 4C printer. Offering high-speed variable colour printing for your sheet or web-fed printing applications, the Quantum 4C delivers exceptional 600x1200 DPI colour image up to 4.25" of vertical coverage. Equipped with Compose IQ's powerful colour management software, the printer includes all the necessary tools for the user to prepare a colour image from available image elements such as b&w and colour graphics, text, barcodes, or alternatively import complete colour PDF files.

Mounted on a stable print platform and offering optional LED pinning lamps, the Quantum 4C delivers excellent colour registration, drop placement, and ink spread to produce high-quality, crisp, and vibrant colour images.



PAPER, PLASTICS, AND METALS

The Quantum 4C printer, employing 4 separate colour print modules (C,M,Y,K) controlled and steered with Compose IQ colour management software is capable of printing variable images at high-speed in single pass mode on either cut-sheet or web-fed materials. With up to 600 x 1200 DPI resolution, a vertical print swath of 4.25" (108mm), and Bosch UV-curable inks, extremely crisp and vibrant colour images are produced on a variety of flat substrates including paper, plastics, and packaging materials. Where ink migration and drop spread are a concern, the 4C model comes with an optional LED curing lamp kit to "pin" the UV curable ink.

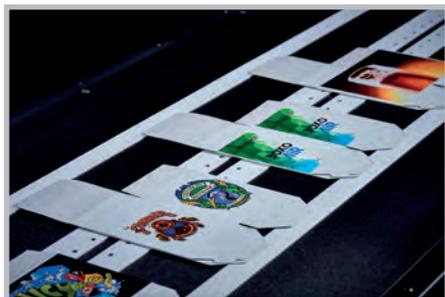
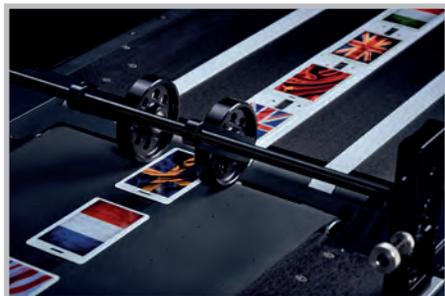
TRUEFLOW INK TECHNOLOGY

The Quantum 4C print technology incorporates Buskro's proven Trueflow active ink management system to ensure an adequate supply of treated colour inks (C,M,Y,K) to each of the print modules. By actively pumping,

filtering and degassing each of the inks, reliable, continuous printing at high-production speeds for even the most demanding single-pass print jobs is achieved. Automated maintenance for occasional cleaning and maintenance of the individual print modules works in concert with the printing operation to ensure maximum up-time while minimizing the occurrence of print image defects.

COMPOSE IQ COLOUR MANAGEMENT TOOLS

Apply a variety of colours selected from stored palettes to text, boxes, and lines, mask out the colour background to add "white" text, or import common colour files such as PDF, bitmaps, and jpeg. Compose IQ includes all the necessary colour management tools to manipulate and prepare your colour images. Most importantly, to ensure the highest colour reproduction possible for the job at hand, Compose IQ allows the user to specify and apply substrate-specific ICC colour profiles at time of printing (user-developed with standard ICC colour profiling tools).





Quantum 4C - 4260C Model

DESCRIPTION	4260C (COLOUR)
SYSTEM	
Print Swath	4.25" (108 mm)
Frequency Response - UV	30 Khz
Print Technology - UV	Piezo - DOD, 4-level drops; 3, 7, 11, 14 pl
Mount	BK2LG, 2 X linear guide rail, vertical release
Vertical DPI	600 per colour module
PRINT SPEED (HORIZONTAL DPI)	
300	1.23 m/s (240 fpm)
600	0.66 m/s (120 fpm)
900	0.43 m/s (84 fpm)
1200	0.32 m/s (62 fpm)
INK	
Ink Chemistry	UV-Curable
Ink Choice	Bosch (UV), Cyan, Magenta, Yellow, Black
Ink Bottle	1000 or 5000 ml, self-sealing, collapsible
Ink delivery	Active management: pumped, filtered, de-gassed, meniscus control c/w level-sensing
SOFTWARE - COLOUR FEATURES	
Colour Profile	ICC colour profile (.icc). User configurable
Graphics	PDF (.pdf), Bitmap (.bmp), jpeg, tif, pcx, wmf, PNG
Text	True type
Line, Box	Available colour palettes
Barcodes	1D, 2D, various postal
White colour	Mask colour background

Features

- » Piezo-DOD inkjet technology with Bosch UV-curable inks
- » High-speed, single-pass colour
- » Variable printing from image to image, batch-to-batch, or job-to-job
- » 4 supported print modules (C,M,Y,K)
- » Vertical print coverage: 4.25" (108 mm) @ 600 DPI
- » Horizontal resolutions: 300, 600, 900, 1200 DPI
- » Colour palettes for text, lines and boxes
- » Graphic files: PDF (.pdf), Bitmap (.bmp), jpeg, tif, pcx, wmf, PNG
- » Compose IQ colour management software
- » Full colour layout editor
- » Rugged, precise linear bearing mount for outstanding colour registration
- » TRUEFLOW active ink management: ink degassing, purge pressure, ink tank vacuum control, and pumping
- » High-visibility LED status indicator
- » Optional LED pinning lamps (4)
- » Substrate-specific ICC colour profiles
- » Available in 1000mL or 5000mL collapsible ink bottles

ABOUT BUSKRO

Founded in 1976, Buskro has evolved into an industry leader in the design and manufacture of high quality printing, tabbing/labelling and card processing equipment to meet a broad range of customer needs. Innovation is the key to everything we produce. Our approach of using the latest technology, along with an open architecture, allows our products to meet your current needs and adapt to your future requirements. Buskro equipment features heavy-duty construction from top to bottom, plus design details that promote years of trouble-free operation. Our commitment to

innovation has produced solutions that have not only set the standard, but raised the bar for over 40 years. Working with Buskro's global network of distribution partners, we take pride in providing quality service and support for all of our products, including our legacy technologies. When you consider your needs – the ones you face today and the unknown challenges of tomorrow, and then compare Buskro's total value proposition of price, flexibility, quality and durability... Buskro is hard to beat!

