

Quantum 4C Colour Printer

High-Speed, Variable Colour Printing



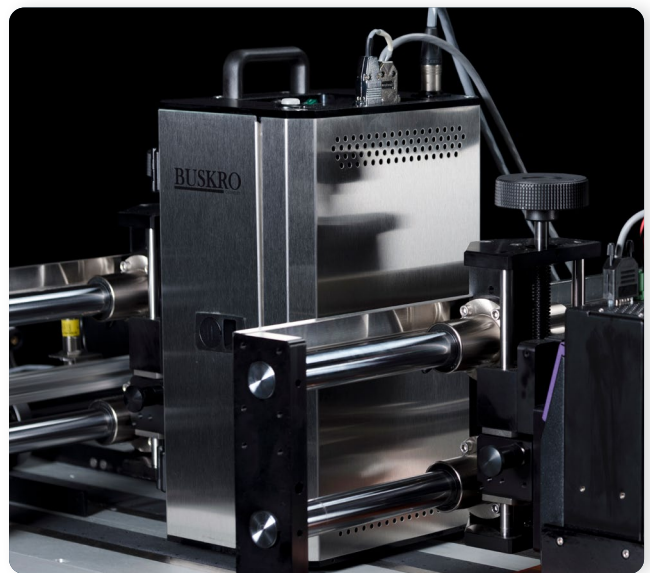
For all your single-pass variable colour
printing needs on a variety of flat
printed materials

BUSKRO
Built for today | Designed for tomorrow

Uncompromising, High-Resolution Colour Printing

Quantum 4C Colour Printer

The Quantum 4C by Buskro is a cutting-edge solution for high-speed, single-pass, variable colour printing. Designed to meet diverse needs, it delivers exceptional performance on a wide variety of flat materials such as sheets and web-fed substrates. Leveraging over 45 years of inkjet expertise, this printer is equipped to handle intricate applications requiring precise colour management and vivid, detailed outputs.



**BUSKRO**
Built for today

Printed with Buskro's 4C

Features:

- Wide swath (4.25") printing up to 600x1200 DPI
- 4 selectable levels of grey to tailor print
- "BUSKRO-DRIP" active ink management
- Self-contained, portable unit for easy

For more information, please contact Us at

Applications Best Suited For the Quantum 4C

Packaging

Ideal for printing variable colour data, graphics, and barcodes on flexible and rigid packaging materials.

Labels

Produces high-quality labels with detailed imagery and variable data for industries like retail, logistics, and pharmaceuticals.

Direct Mail

Perfect for personalized marketing campaigns requiring vivid colours and sharp text on envelopes and inserts.

Industrial Marking

Suitable for printing on durable materials like plastics and metals for product branding, barcoding, serial numbers, or compliance labels.

Specialized Substrates

Supports applications requiring UV-curable inks and LED curing for unique substrates and specialty projects.



Benefits

High Resolution

Achieves up to 600x1200 DPI for sharp, detailed, and vibrant prints up to 4.25" inches wide

Innovative Design and Performance

Mounted on a robust and stable platform, the Quantum 4C combines high-speed operation with meticulous colour registration and drop placement accuracy.

Versatile Substrate Compatibility

Supports printing on paper, plastics, metals, and other flat materials, enabling a wide range of applications.

UV-Curable or Aqueous Inks

Uses durable Bosch UV-curable inks for long-lasting, fade-resistant results, or eco friendly Aqueous inks.

Efficiency and Control

Empowers operators with tools to manage colour, layouts, and job execution effortlessly. Whether you are integrating barcodes, graphics, or detailed images, the Quantum 4C simplifies complex tasks with intuitive features.

LED Pinning and Curing Options

Offers optional LED curing lamps to stabilize inks and reduce drop spread, ensuring high-quality results even on sensitive materials.

Specifications

Quantum 4C - 4260C Model

System

Print Swath	4.25" (108mm)
Frequency Response - UV/Aqueous	30/40 kHz
Print Technology - UV	Piezo - DOD, 4-level drops; 3, 7, 11, 14 pl
Aqueous Print Technology	BK2LG, 2 X linear guide rail, vertical release
Vertical DPI	600 per colour module

Print Speed (Horizontal DPI)

300	2.56 m/s (480 fpm)
600	1.28 m/s (240 fpm)
900	0.85 m/s (170 fpm)
1200	0.64 m/s (120 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 CMYK colour
- » Hybrid printing with variable data combined with fixed color background
- » Colour palettes for text, lines, and boxes
- » Graphic files: PDF (.pdf), Bitmap (.bmp), jpeg, tif, pcx, wmf, png
- » Rugged, precise linear bearing mount for outstanding colour registration
- » TRUEFLOW active ink management: ink degassing, purge pressure, ink tank vacuum control, and pumping
- » Substrate-specific ICC colour profiles applied at time of printing

