Buskro Inkjet Technology Overview

Helping you find the right printer for your application

With over 45 years of knowledge and experience, Buskro has become the trusted specialist in data management systems.

Key Considerations
When Choosing an Inkjet System

Before selecting the right Buskro inkjet system, consider the following factors to ensure optimal performance, ROI, and compatibility with your production environment.

Substrate Type

Identify the materials you plan to print on (e.g., paper, corrugate, plastic, metal, or film). Different ink formulations (aqueous, UV-curable, solvent-based) perform best on specific substrates.

Print Width and Coverage

Determine how much printable area your jobs require. Buskro systems range from narrow 1" modules (Atom) to full 11.75" swaths (Titan) or modular 4.25" nodes (Argo) that scale to any width.

Print Quality and Resolution (DPI)

Higher DPI values deliver sharper graphics and text but may reduce throughput slightly. Balance image quality requirements with your production speed needs.

Ink Type and Finish

Aqueous inks are eco-friendly and ideal for absorbent substrates. UV-curable inks provide instant curing, vibrant color, and versatility on non-porous materials.

Throughput and Production Speed

Evaluate your required line speed and output volume. Buskro offers systems capable of up to 7.1 m/s, ensuring alignment with both short runs and full-scale production lines.

Integration and Modularity

Consider your current equipment layout and how easily a system can integrate. Buskro's modular design philosophy (Compose IQ™, Compose 360™, ArgoNode™) ensures adaptability for the future.

Maintenance and Support

Choose a system supported by responsive, knowledgeable technicians. Buskro's Canadian-built reliability and service-first culture keep downtime to a minimum.

Total Cost of Ownership (TCO)

Factor in ink costs, maintenance, and productivity gains—not just purchase price. Buskro's efficient design and software automation deliver excellent long-term value.

Addressing & Mailing

Recommended Printers:
Atom, Apollo

Key Advantage:
Compact, affordable, and easy to integrate

Labels & Packaging

Recommended Printers:
Quantum, Quantum 4C

Key Advantage:
High-resolution CMYK and flexible substrate handling

Corrugate & E-Commerce

Recommended Printers:
Titan, Argo

Key Advantage:
Wide format, vivid color, and scalable architecture

Industrial Marking

Recommended Printers:
Argo

Key Advantage:
Modular, reconfigurable, and efficient for multiple workflows

Entry-Level & Mailing Solutions

Apollo: Affordable TIJ Inkjet System for Specialty Applications

Ideal For	Addressing, coding, and personalization on paper, labels, and cartons
Technology	HP45A Thermal Inkjet (TIJ)
Print Widths	2" or 4"
Speed	Up to 2.76 m/s
Inks	Solvent, UV-curable, Aqueous, Specialty
DPI Options	110–660 DPI
Key Advantage	Versatile and budget-friendly option with robust Compose IQ software and user-friendly controls.

Atom: Compact, Cost-Effective Print System for Addressing and Simple Variable Data

Ideal For	Envelopes, direct mail, and standard paper stock
Technology	Piezo DOD
Print Widths	1", 2.55", or 5.10"
Speed	Up to 4.6 m/s
Inks	Solvent, UV-curable, Aqueous, Specialty
DPI Options	100–600 DPI
Key Advantage	Easy to integrate into third-party lines; reliable performance for high-volume mailers.

Commercial & Production Printing Solutions

Quantum: Flexible Monochrome Inkjet with Exceptional Print Precision

Ideal For	Labels, films, folding cartons, and variable data on mixed substrates
Technology	Piezo DOD
Print Widths	4.25", 8.50",12.75" or 17"
Speed	Up to 3.4 m/s
Inks	Solvent, UV-curable, Aqueous, Specialty
DPI Options	300–1200 DPI
Key Advantage	Portable, flexible system with ultra-fine 3pl drops for precision and quality.

Quantum 4C: Full-Color Inkjet with Exceptional 600x1200 DPI Output

Ideal For	Labels, folding cartons, promotional packaging, and graphics requiring vibrant color
Technology	Piezo DOD (CMYK)
Print Widths	4.25"
Speed	Up to 2.5 m/s
Inks	UV-curable and Aqueous (CMYK)
Key Advantage	Integrates Buskro's Compose IQ color management for seamless variable color printing.

2500 Series (Atlas / Aurora): High-Speed Production Inkjet for Continuous Web or Sheet Applications

Ideal For	Transactional printing, direct mail, and high-volume data-driven output
Technology	Piezo DOD
Print Widths	1", 2.55", or 5.10"
Speed	Up to 7.1 m/s
Inks	Solvent, UV-curable, Aqueous, Specialty
DPI Options	110–660 DPI
Key Advantage	Combines speed, image quality, and low running costs for demanding environments.

Packaging & Industrial Solutions

Titan: High-Performance Aqueous Inkjet for Packaging, E-Commerce & Fulfillment

Ideal For	Corrugated boxes, mailers, paperboard, and labels
Technology	HP PageWide Thermal Inkjet
Print Widths	11.75"
Speed	Up to 1.0 m/s
Inks	Aqueous (CMYK)
DPI Options	300, 600, 1200
Key Advantage	Delivers vivid color graphics and variable data with easy integration for packaging workflows.

Argo: Scalable, Modular Print System Built for Today—Designed for Tomorrow

Ideal For	Corrugate, mail, paperboard, labels, and roll-to-roll printing
Technology	TIJ Modular (ArgoNode™ architecture)
Configurations	Up to 64 individual 4.25" modules
Speed	Up to 3.0 m/s
Inks	Aqueous (Mono & CMYK)
DPI	1200 DPI
Key Advantage	Modular, reconfigurable, and compact; grows with your business to meet changing application needs.

Why Choose Buskro?

Integrated Software
Compose 360™ and Compose IQ™ for powerful variable data and workflow control.

Modular Design Philosophy
Reconfigure systems to fit your growing needs.

Proven Engineering
Canadian-built quality and support.

Sustainability
Eco-friendly aqueous inks and efficient print platforms.

Industry Expertise
Decades of success in packaging, labeling, mailing, and personalization.

Need Help Finding the Right Fit?

Our team can help match your application, substrate, and production goals with the perfect Buskro system.

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