Quantum
Printer

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

Simple, yet powerful
Piezo DOD Inkjet Printer

The Buskro Quantum Inkjet Printer is a robust, flexible, and highly efficient solution, delivering unmatched ROI and operational benefits. Whether you're looking to upgrade your printing line or need a standalone powerhouse, the Quantum is designed to meet your demands today and scale with you for tomorrow.

Why Choose the **Buskro Quantum**

Advanced Technology

Drop-On-Demand (DOD) printing ensures precision, while integrated vacuum-assisted transport provides stability.

Durability and Longevity

Rugged construction ensures long-term performance even under continuous production.

Reduced Waste and Rework

Advanced barcode inspection and workflow management tools ensure accurate output, minimizing costly reprints and material waste.

High Production Efficiency

Capable of handling large volumes with speeds up to 3.39 m/s, achieving daily outputs of 20,000–24,000 printed products, making it ideal for high-volume production environments

Lower Operating Costs

Uses efficient LED curing for UV inks, which significantly reduces energy consumption compared to traditional curing methods.

Flexibility to Scale

Modular design enables expansion as business needs grow, providing a scalable solution that adapts to increasing demands.

Future-Proof Investment

Compatible with a variety of inks and substrates, ensuring long-term adaptability to evolving market trends

Rapid Payback Period

With minimized downtime, reduced waste, and high-speed output, the Buskro Quantum delivers a quick return on investment by improving operational efficiency and reducing production costs

Ideal Applications

Packaging

High-quality branding and product information on corrugated and fiberboard cartons .

Labeling

Variable data printing for brand-security labels and regional compliance .

Direct Mail

High-resolution graphics and address printing for personalized mail campaigns

Industrial Printing

Custom markings and QR/barcode printing for manufacturing

Why Choose the Buskro Quantum?

Modular Transport System Integration

The Quantum seamlessly integrates with Buskro's modular transport bases for enhanced functionality such as duplex

User-Friendly Setup

Simple installation and maintenance with intuitive Compose IQ software for job management.

Environmentally Friendly

LED curing systems available for UV ink applications

Customer Support

Comprehensive training, on-site installation, and maintenance services ensure smooth operations from day one.

Specifications

Quantum

BUSKRO
Built for today | Designed for tomorrow

System

Print Swath	4.25" (108 mm)	8.50" (216 mm)
Weight	28.4 lbs (12.9 kg)	49.6 lbs (22.5 kg)
Vertical DPI	600	
Print Speed@ 300DPI	3.39 *m/s*	2.54 *m/s*
Print Technology - UV	Piezo - DOD, 4-level drops; 3, 7, 11, 14 pl	
Print Technology - Aqueous	Piezo - DOD, 3-level drops; 5, 7, 12 pl	
Mount	BK230M, 2 X 30 mm 0 shaft, vertical release	

Ink

Ink Chemistry	Aqueous, UV-Curable
Ink Choice	Bosch (UV), Picart (UV), Harris (aqueous)
Ink Bottle	1000 ml, self-sealing
Ink Delivery	Active management: pumped, filtered, de-gassed, meniscus control c/w level-sensing

Features

» **High-Speed Printing:** Capable of speeds up to 3.39 m/s for aqueous inks and 2.54 m/s for UV inks at 300 DPI .

» **Exceptional Print Quality:** Supports resolutions up to 1200 DPI, suitable for intricate graphics and variable data .

» **Flexible Print Widths:** Up to 4.25 inches per print module, scalable for broader coverage .

» **Versatile Ink Compatibility:** Handles both aqueous and UV-curable inks for a wide range of substrates, including paper, plastic, and cartons .

» **Compact and Portable:** Designed for easy integration with existing setups, featuring lightweight construction and modular configurations .

Print Resolution	Quantum UV Speeds	Quantum Aqueous Speeds
300	2.54 m/s (500 fpm)	3.39 m/s (667 fpm)
600	1.27 m/s (250 fpm)	1.69 m/s (333 fpm)
1200	0.64 m/s (125 fpm)	0.85 m/s (167 fpm)