

# Apollo TIJ Technology



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



Inkjet Technology  
Licensee

BUSKRO LTD.

# The Affordable High-Resolution Inkjet

## Apollo TIJ Technology

The Buskro Apollo is a high-resolution inkjet printing system designed to deliver exceptional print quality, flexibility, and reliability for a wide range of applications. Powered by HP's proven TIJ 2.5 technology, the Apollo seamlessly integrates precision engineering with advanced Compose IQ software to produce crisp, high-quality images and text on various substrates.

Ideal for industries such as direct mail, packaging, and labeling, the Apollo enables effortless management of variable data, barcodes, and graphics with unparalleled efficiency. Its robust construction, cost-effective operation, and user-friendly features make the Apollo an invaluable tool for businesses seeking superior performance and adaptability in their printing solutions.



## Benefits

### High-Resolution Printing with Proven Technology

Powered by HP's reliable TIJ 2.5 technology, the Apollo delivers outstanding print resolutions ranging from 110 to 660x600 dpi, ensuring crisp and clear images.

### Effortless Ink Management

The Apollo features an intuitive pen replacement system that minimizes downtime, allowing operators to switch inks seamlessly for different applications.

### Unmatched Production Versatility

Advanced features like 1D and 2D barcodes, graphic rotation, and variable data handling enable the Apollo to tackle both simple and complex print tasks efficiently.

### Robust Construction for Long-Term Reliability

Designed with a production-oriented philosophy, the Apollo offers a durable build and refined engineering for sustained performance across demanding environments.

### Cost Efficiency

Equipped with an ink-cost calculator, real-time job status displays, and reprint capabilities, Apollo optimizes operational efficiency and cost management.

### Ink Compatibility

With a variety of interchangeable, the Apollo can print on a wide range of substrates, meeting diverse application needs.

## What can you print on?

### Direct Mail Campaigns

Excels in personalized mail printing, delivering tailored addresses, messages, and promotional graphics at high speeds without compromising quality.

### Packaging and Labeling

Perfect for high-resolution printing on flexible and rigid packaging materials. The Apollo is suited for product labels, shipping information, and branding directly on packages.

### Pharmaceutical and Healthcare

Precision printing capabilities make the Apollo ideal for small text and barcode printing on pharmaceutical labels, ensuring regulatory compliance and product tracking.

### Ticket and Tag Production

Whether it's for event tickets or retail tags, the Apollo delivers professional-grade results, complete with barcodes, graphics, and variable data.

### Transactional Documents

Seamlessly integrates with databases to produce transactional forms such as bills, statements, and invoices with customized details and secure barcodes.





# Specifications

## Apollo HP

Model #	1600	2600	3600	4600
<b>Print Technology</b>	HP TIJ 2.5 DOD	30 ng drop	12 KHz	
<b>Print Swath</b>	1" (25mm)	2" (51mm)	3" (76mm)	4" (102mm)
<b>Vertical DPI</b>	600			
<b>Horizontal DPI</b>	110, 165, 220, 330, 440, 660			
<b>Speed</b>	From 90 FPM (0.46 m/s) to 550 FPM (2.76 m/s)			
<b>Ink Capacity</b>	HP45A Cartridge (42mL) Ink Delivery System (350mL)			
<b>Ink Type</b>	Water- and solvent-based formulations			
<b>Speciality Inks</b>	Invisible, IR, MICR			
<b>Ink Delivery System</b>	4-channel, regulated, pumped, level sensing			
<b>Compose IQ Options</b>	Read/print, partial match, multi-zone tracking and printing, verification, combo system, PDF work flow			

## Apollo HP Inks

Name	Type	Substrate	Features
HP Versatile Black	Water-based	Porous and coated	Standard. Dark, crisp print quality at high speeds with heat assistance.
HP Black 2580	Solvent	Uncoated, matte, glossy	Fast dry. High-speed operation for challenging substrates, often without heat assistance.
HP Infinite Black	Solvent	Porous and semi-porous	Excellent image on OPP, PET, Coated Papers. Excellent print quality, such as good edge acuity, high optical density on Film substrates.
Kao Collins MAX3	Water-based & Solvent	Non Porous	This fast drying ink produces a quality image that is smudge resistant on a variety of media, including Tyvek, PVC, varnish, polyvinyl, aqueous, and plastic cards.
Kao Collins Pack Black	Pigment based	Porous and semi-porous	Designed for packaging applications where a low-duty cycle is used. Produces a quality image on most porous substrates, such as corrugated boxes.
Kao Collins Super Fast	Dye based	Porous and semi-porous	Designed to print on scratch-off lottery tickets. It produces a high quality, scan-able image that dries well on coated and non-coated substrates. This ink provides adequate decap time and very little maintenance.

For a full list of inks offered by Buskro, visit our website - [www.buskro.com](http://www.buskro.com)

## Features

- » Apollo print heads available in 1" (25mm), 2" (50mm), and 4" (100mm) modules
- » Combine print heads to form a print array up to 16" (400mm) of vertical print
- » Variety of inks for spot colour, porous, and coated substrates
- » Ability to make micro-alignments for seamless print
- » Simple maintenance and ink cartridge replacement
- » Modular design allows for easy system upgrades
- » Dark, crisp images printed up to 660x600 dpi
- » Ability to rotate print, graphics, and barcodes to allow for print flexibility
- » Great for addressing, tickets, transactional forms and labelling applications
- » Can be paired with a Buskro or third-party transport system
- » Ability to combine the Apollo print head with other proven Buskro inkjet systems.

