

SAPPHIRE Inkjet Printer

High Resolution. High Speed. High Impact!



SAPPHIRE Inkjet Printer
with BK1700 Controller



SAPPHIRE Print Head

FEATURES:

- High resolution text, barcodes and graphics
- 300x110 to 300x660 user defined dpi
- Fast drying Monet™ inks print onto coated/glossy stocks
- Performance-proven Atlas technology, speed and reliability
- Powerful data and system control with the BK1700 controller

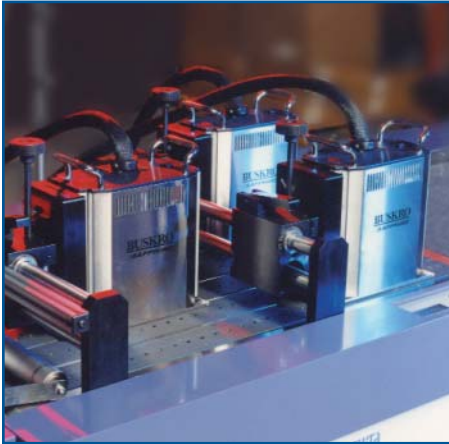
Make an Impact!

The Sapphire inkjet printer combines the best of image quality, production speed and data control into one versatile variable data imaging system. The Sapphire printer is the newest member of the field proven Atlas technology platform, featuring Monet™ non-volatile solvent ink for printing onto most glossy and coated print stock.

The Sapphire features up to 300 x 660 dpi print resolution in a 2.55" vertical print swath per print head and production speed up to 4.5 m/s, or 30,000 pieces per hour. As with all Atlas family printers, the Sapphire offers user selectable horizontal print resolutions from 110 to 660 dpi for maximum efficiency in every print application!

Monet Ink

For excellent results on a variety of uncoated, coated and glossy stocks, Monet ink is designed to merge maximum drying performance with beautiful print images. Monet features low ink cost per thousand images for high volume cost savings and come packaged in one liter bottles which are safe to use, store and transport.



System Flexibility

Sapphire print heads integrate easily with a wide range of on-line and off-line applications, including web presses, re-winders, and form/document presses. Combine multiple heads from the powerful BK1700 controller for full-sheet coverage and fully variable text, barcodes, or images at high speeds in any orientation!

APPLICATIONS:

- Transactional forms and documents
- Personalized Letters / mailings
- Coupon imaging / barcoding
- Gaming, ticket, tag, label
- Numbering
- And more!

Sapphire Printhead Specifications

Height	13" (331 mm)
Width	4.75" (121 mm)
Depth	14" (356 mm)
Weight	11 lbs. (5 kg)
Printhead Type	Piezo
Vertical Print Swath	2.55" (64 mm)
Vertical Resolution	300 DPI
Horizontal Resolution	110 – 660 DPI (software selectable)
Electronics	Head Control Card
Max Operating Temperature	40° C max. (Monet)

Print Speeds

Resolution:	Surface Speed:
110 dpi	900 fpm (4.50 m/s)
220 dpi	520 fpm (2.60 m/s)
330 dpi	340 fpm (1.70 m/s)
440 DPI	250 fpm (1.25 m/s)
660 DPI	180 fpm (0.90 m/s)

Resolution	Consumption	Approximate Cost
110 DPI	3,060,000 pp	.12
220 DPI	1,530,000 pp	.25
330 DPI	1,020,000 pp	.37
440 DPI	765,000 pp	.50
660 DPI	510,000 pp	.75

Note: Ink consumption based on a 100-character address and Postnet barcode using an Arial 11 point font. Total pieces completed for 1 liter of ink at 6 liter ink purchase discount prices using U.S dollars.

For more information, contact Buskro today!

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