

FXJET™

High Resolution

AlphaCoder™ Printhead/Ink Systems

FoxJet introduces the newest addition in quality on-line, high resolution marking and coding systems. The AlphaCoder™ system, part of the FXJet™ series, is the most economical high resolution printing system available. Solid-state in design and performance, AlphaCoder™ produces high resolution alphanumeric and graphics on porous material.



Affordability —

FXJet™ AlphaCoder™ systems are competitively priced to combat higher end barcode systems and antiquated valve coders. Without mechanical moving parts that wear out and fail, AlphaCoder™ boasts dramatic savings in consumable costs and production down time.

Flexibility —

AlphaCoder™ print engine will produce 1-5 lines of high resolution alphanumeric text or graphics within a 1.82" (46mm) image area. Line speeds can operate up to 250/fpm (76M/min). Improved throw distances range up to .50" (13mm).

Adaptability —

Three controller designs are currently available for single or multi printhead applications. The compact size of each controller affords simplicity in space management and installation. An integrated design encloses the ink system, printhead assembly and fluidics in a stainless steel enclosure for simplified operation and removal of shock and vibration effects. Innovative design supports modular, top-down, or elevator conveyor applications.

1-800-FOXJET4
www.foxjet.com



Technical Data

AlphaCoder 224/32 Printhead

- Image Area: 1"-1.82" (25mm-46mm)
- Number of Channels: 32
- Number of Orifices: 224
- Mount Angle: 32°- 90°
- Lines of Print: 1 - 5
- Vertical Resolution
96 DPI (1" image area)
48 DPI (1.82" image area)
- Horizontal Resolution up to 300 DPI

Maximum Line Speed

- At 100 DPI: 375 (ft/min 97 M/min)
- At 150 DPI: 250 (ft/min 91 M/min)
- At 300 DPI: 150 (ft/min 46 M/min)
- Print Frequency: Up to 7.5 khz (droplets per second)
- Image Rate: Up to 2 Images per second

Throw Distance

- At 1/2" (12mm): 65 ft/min (20 M/min)
- At 1/4" (6mm): 150 ft/min (46 M/min)
- At 1/8" (3mm): 250 ft/min (107 M/min)

Print Orientation

- Integrated - Horizontal or Horizontal Angle (for Incline Conveyor)
- Modular - Omnidirectional

Heat Up Time @ Room Temperature

- 3-5 minutes

Operating Environment

	Operating	Storage
• Temperature	50°F to 104°F (10°C to 40°C)	32°F to 109°F (0°C to 43°C)
• % Relative Humidity (non-condensing)	20 - 80%	2 - 80%

Ink System

- Non Pressurized Capillary Feed Technology
- Ink Fill Method: Screw-N-Lock Bottles
- Low Ink Sensor: Float Switch
- Priming Mechanism: Integrated Prime Bulb
- Ink Supply Capacity:

without ink bottle	25ml (.85 oz)
with 125ml ink bottle	150ml (5 oz)
with 500ml ink bottle	525ml (17.8 oz)

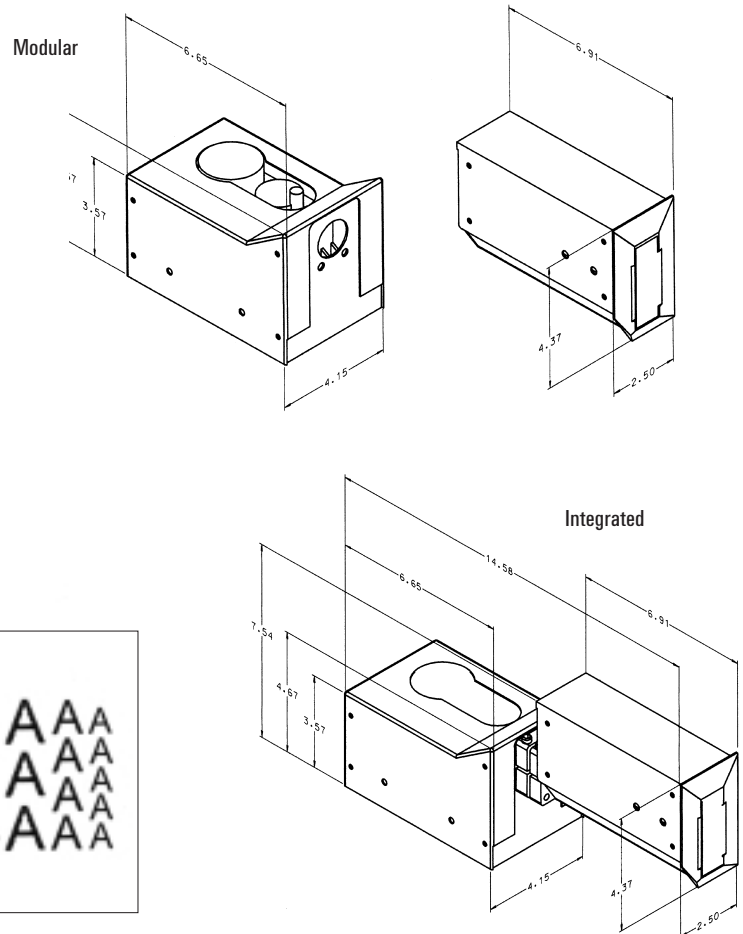
Ink Consumption

Font Type	Characters/500ml
5 line	105,663,500
4 line	91,575,000
3 line	59,723,000
2 line	19,623,000
1 line	5,183,500

Ink Specifications

AlphaMark™

- Immediate Dry Times on Corrugate
- Non-Toxic/Non-hazardous
- Substrate: Porous/Semi Porous
- Ink Base: Oil
- Color: Black
- Shelf Life: 1 Year
- USDA Compliant
- Available in 125ml (4.25 oz) or 500 ml (17 oz) Screw-N-Lock Bottles



Print Sample - 90° Angle 1.82"



Print Sample - 32° Angle 1"

