

# FXJET™

High Resolution

FoxJet® continues its forward movement as the leader in large character ink jet printing with the latest innovative additions to the FXJet™ series of high resolution printing systems.

FXJet™ Model 7100, 7200, and 7400 industrial ink jet controllers were designed for versatility, adaptability, and functionality.

## Innovative Design —

Each FXJet™ controller is constructed using a stainless steel enclosure for industrial applications. Compact in size and easily mounted in most production environments, FXJet™ controllers will operate a specified number of high resolution print engines. Model 7100 is designed for single printhead applications, while Model 7200 and 7400 controllers will operate 2 to 4 FXJet™ print engines independently for multi-tasking applications. Each controller design features menu-driven, integrated qwerty keyboards with icon directed hot keys for frequently used commands.

## Advanced Software Features —

Expanded message storage and an embedded ink consumption calculation are among standard software features of FXJet™ controllers. Printing and set-up requirements such as auto-print, multi-tasking, RS232/RS485 communication, and system status are directed through the standard software to ease user operation.

## Expanded Flexibility —

Additional communication ports offer a variety of remote programming methods and control that include: barcode scanners, scales, PLC and host PC systems. In addition, FoxJet offers, through third party suppliers, the ability to communicate via DeviceNet or Ethernet.



Each FXJet™ controller comes complete with a powerful software package as standard, or choose SystemMaster™ 2000, an optional PC based Windows® package offering database and networking capabilities to 32 FoxJet controllers. SystemMaster™ 2000 will conveniently interface with any Windows® (95, 98, NT) compatible program, and has an easy to use menu structure and WYSIWYG preview screens.

1-800-FOXJET4  
www.foxjet.com



# Technical Data

## Hardware

- Processor: Motorola 68332
- Speed: 20 Mhz
- Baud Rates: 9.6K, 19.2K, 38.4K (Expandable to 115K)

## Model 7100 Controller

- Memory: 1MB RAM, 1MB ROM
- Communication: 1 Serial Port (RS232 or RS485)
- Maximum Printed Message Length:
  - At 142 DPI: 26.5" (673mm)
  - At 150 DPI: 25.0" (636mm)
  - At 300 DPI: 12.5" (318mm)
- Single Printhead

## Model 7200 Controller

- Industrial Stainless Steel: Nema 12, IP51
- Memory: 1MB RAM (Expandable 2MB)  
1MB FLASH (Expandable 2MB)
- Communication: 5 Serial Ports  
RS232/RS485 Capabilities
- Multi-Tasking (two separate print tasks):
  - 2-photocell inputs
  - 2-shaft encoder inputs
- Maximum Printed Message Length:
  - At 142 DPI: 84" (2.13 M)
  - At 150 DPI: 80" (2.03 M)
  - At 300 DPI: 40" (1.06 M)
- Up to Two Printheads
- Auxiliary Input/Output (4 Programmable)

## Model 7400 Controller

- Industrial Stainless Steel: Nema 12, IP51
- Optional: Nema 4, IP65
- Memory: 1MB RAM (Expandable 2MB) 1MB ROM
- Communication: 2 Serial Ports 2-RS232 or 1-RS232 and 1-RS485
- Multi-Tasking (two separate print tasks):
  - 2-photocell inputs
  - 2-shaft encoder inputs
- Maximum Printed Message Length:
  - At 142 DPI: 56.5" (1.44M)
  - At 150 DPI: 53.5" (1.35M)
  - At 300 DPI: 27.0" (.67M)
- Four Printheads
- Auxiliary Input/Output (Programmable)

## Connections

- Connector Type: Standard DB9, DB25
- Inputs (opto isolated, open collector or TTL type): Photocell  
Shaft Encoder
- Outputs (opto isolated): Alarm (open collector)  
External Power (+12V DC)

## Diagnostics

- Status Indicators (LED):
 

Photocell	High Voltage	Shaft Encoder	Heaters
Ink Level	Data Transmit	Data Receive	

## Electrical Requirements

- Switch Selectable: 110-115V AC, 3 Amp Max 220-240V AC, 1.5 Amp Max
- Frequency: 50-60 Hz

## Operating Environment

- |  |                              |                             |
|--|------------------------------|-----------------------------|
|  | <u>Operating</u>             | <u>Storage</u>              |
| • Temperature:                             | 50°F to 104°F (10°C to 40°C) | 32°F to 108°F (0°C to 43°C) |
| • % Relative Humidity:<br>(non condensing) | 20-80%                       | 2-80%                       |

## Certification

- UL cUL FCC CE TUV GS

## Firmware

- Data Entry Keypad w/ Hot Key Menu Structure (standard)
- Model 7100 – 25 Messages Programmable Counters
- Model 7200 – 200 Messages Automatic Time & Date
- Model 7400 – 100 Messages Edit/Save Functions
- 100 Characters per Line Standard Fonts: 1-5 line(s)
- Delete/Insert Functions Product/Batch Counters
- Programmable Shift Functions
- Model 7100 Stores 11 Graphic Images
- Model 7200 Stores 20 Graphic Images
- Model 7400 Stores 24 Graphic Images

