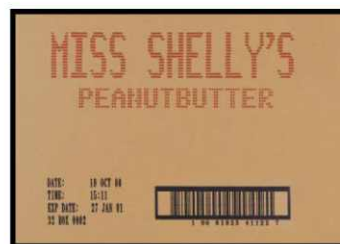
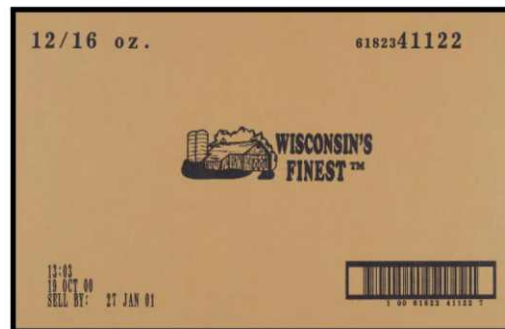


We Build Confidence... In Large Character Ink Jet Printing

- High-resolution and dot matrix characters from one system
- Dual-tasking: can run up to 2 production lines
- Graphical user interface with QWERTY-style keyboard
- 150 x 150 dpi with high-resolution printheads
- Prints on both porous and semi-porous surfaces



ABC123



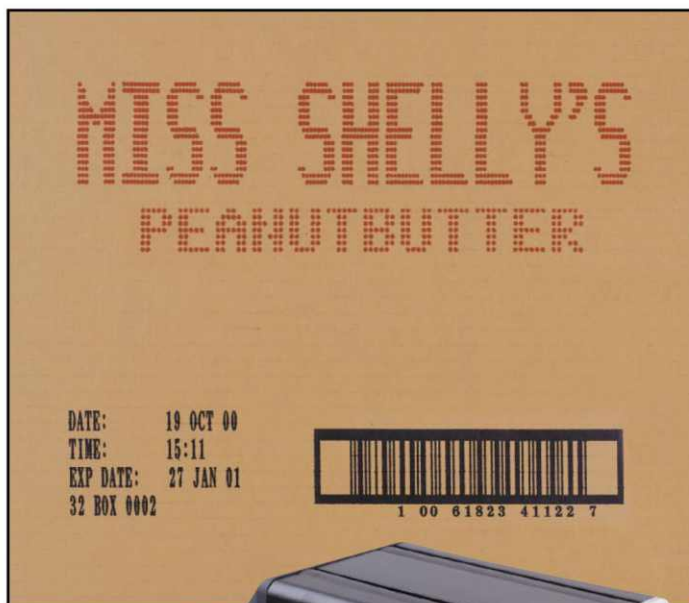
 COUNTRY
FRESH FOODS



Dot Matrix or Fully Formed High-Resolution Characters From one System

The Marsh PatrionPlus™ Large Character Ink Jet Printer

The Marsh PatrionPlus™ large character printing system is now more versatile, more functional and more adaptable than ever to meet your expanding needs. The advanced printer technology in this system has unique printhead flexibility that allows you to meet numerous production line applications with the versatility to print dot matrix or fully formed, high-resolution characters from one truly reliable system.



Valve-jet printhead for dot matrix characters



RS 232 connection



High-resolution printhead for logos and barcodes



6-inch LCD screen with backlit display

QWERTY-style, integrated, tactile keyboard

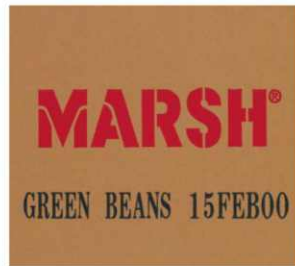
Pop-up menus and hot keys

HR Series — High-resolution

This reliable, Videojet-engineered advancement offers up to 2 inches (50 mm) print height for high-resolution characters. The heart of the HR is the Videojet-designed and manufactured piezo print engine that holds eight patents. 150 vertical DPI delivers fully-formed characters and improved legibility. This capability lets you print large, sharp text, serial numbers, logos, and barcodes. And the compact size of the HR Series printhead fits more production lines and allows for more applications. At 200 fpm (61 mpm), with a 1/4" (7 mm) throw, it's fast, clear printing. Plus, low maintenance is assured due to no moving parts and an orifice plate that resists scratches. And of course, it's fully compatible with the standard PatrionPlus controller, data and power cables.

Valve Jet — Dot Matrix Flexibility

Optimize your most basic printing needs with this truly reliable, large character, dot matrix workhorse. Versatile, too, with two available types: 7-dot and 16-dot. Multiple fonts offer flexibility in your mark, with upper/lower case for better legibility. Easy to install and adjust with a simple tube-and-handle assembly. It even prints up to a full 200 fpm (61 mpm) for a fast, efficient line.



The Most Flexible Controller Available

The Marsh PatrionPlus system is easy to install and even easier to operate. A typewriter-style keyboard and pop-up menus make it easy to learn, easy to operate and easy to program. What's more, this single controller operates both HR Series and Valve Jet printheads. The large, ergonomically-correct keyboard is simple to use and a large, easy-to-read LCD display reduces the chance of error.

The PatrionPlus controller's menu-driven programming comes standard in eight languages, and additional languages are available. The PatrionPlus system drives up to sixteen printheads. Each printhead is capable of printing up to three lines of text. A NEMA 12/IP 51 cabinet is available to protect the controller and printhead power supplies.

The Versatile Marsh ADS Ink System

This ink system is designed exclusively for our Videojet printheads. At its heart are trouble-free inks for both porous and non-porous substrates, so you can print on both corrugated and plastic wrap. To deliver it, a flexible, 5-gallon, air-driven system, using plant-supplied air, offers the reliability and simplicity that PatrionPlus system is known for.

Series 2000: Ingenious, Foolproof

This Videojet innovation is specifically formulated for smooth operation with our HR Series high-resolution printhead. Once again, the beauty is in the simplicity. A patented, color-keyed cap system reduces the chance of replacing the 17 oz./500 ml bottle with the wrong ink. The bottle also features a patented "no-mess" design that prevents ink spillage. Mistakes are eliminated and ink change-over is easier than ever.





Specifications

System Components

Controller
RS-232 Interface Compatible

Printhead
High Resolution or Valve Jet (see below)

Ink System (HR)
Capillary Feed 13oz./382 ml Reservoir

Ink System (VJ)
Marsh ADS System

Photocell
External Diffuse and Retroreflective Beam

Input Device
QWERTY-style Keypad integral to the Controller

Cabinetry
NEMA 12/IP 51 Stainless Steel option

System Operation

Electrical Requirements
Operable on 50 Hz or 60Hz 100 VAC through 240 VAC

Printhead Operation: (HR)-High Resolution

Print Speed
20 to 200 fpm (6 to 61 mpm)

Character Height
.25" (6 mm) to 2" (50 mm)

Fonts
Roman Fixed Width, logos, barcodes, and Special characters.

Printhead Operation: (VJ)-Valve Jet

Print Speed
20 to 200 fpm (6 to 61 mpm)

Character Height
3/8" (10 mm) to 2" (50 mm) Dependent upon printhead selected

Fonts
5x5, 7x5, 9x7, 14x10; 16x12 uppercase in 16 dot; 16x12 lowercase

Printhead Orientation

Distance to Print Surface
Not greater than .25" (6 mm)

Firing Directions
360 Degrees

Mounting
Conveyor or Floorstand

Messages

Alphanumeric Lines
1- 4 per Printhead, dependent upon font and Printhead

Font
64-Character ASCII Set plus special and accented characters

Ink Series 2000: (HR)-High Resolution

Colors
Black, Red, Blue, Green

Capacity
13oz. (382 ml) ink reservoir; 17oz. (500 ml) bottle

Surfaces
Porous only

Ink Series: (VJ)-Valve Jet

Colors
Black, Red, Green, Blue, Violet, Orange, Brown, Yellow, Ultraviolet

Consumption
600,000 Character/Quart

Capacity
5 Gallons/18.9 liters

Surfaces
Porous and non-porous

Environmental Limits

Operating Conditions
Any normal, non-condensing or harsh environment with a temperature range of 40° F to 120° F (4.4° C to 49° C)

EMBAMARK

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