

IN-PLANT PROGRAMMABLE PRINTING FOR VARIABLE INFORMATION



- Increase production uptime
- Enhance package appearance
- Increase bar code scan rates
- Reduce package inventories
- Increase profits

Norwood's Jaguar family of programmable, thermal imaging systems print product specific information in-line directly on packaging materials. Reaction time to message changes is optimized, and labor and material savings are maximized. The operator enters the selected message(s) via computer or keypad. The Jaguar print-head heats the proper elements (pixels) which transfer pigment from thermal transfer ribbon onto the substrate.

Jaguar Features:

- Microprocessor based unit. Unique, patented industrial design
- Allows print image changes in seconds without use of PC
- Eliminates type dies, plates, promotional labels and set up time
- Prints high resolution graphics, bar codes and text in various font sizes
- Easiest system to interface on packaging lines. Intermittent-motion printers



Norwood's Jaguar printers reduce packaging, pre-printing and inventory costs by allowing the use of the same type of bag, label, card or carton for all products packaged.

PACKAGING LINES

- Bagging
- Labeling
- Vertical-form-fill-seal
- Custom Packaging Lines

SUBSTRATES

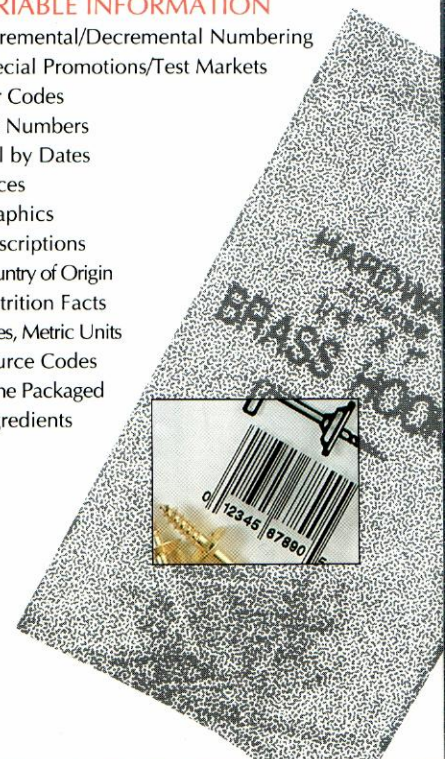
- Blister Cards
- Labels
- Plastic Films & Bags
- Cartons

MARKETS

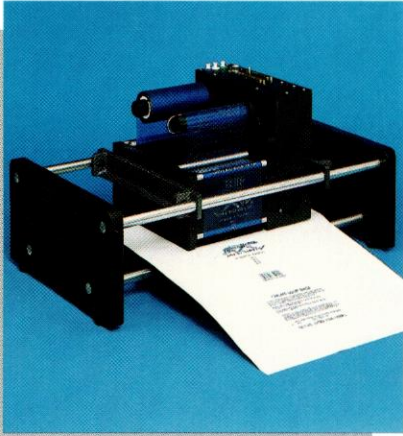
- Food
- Pharmaceutical
- Personal Care
- Chemical
- Automotive Parts
- Hardware
- Electrical Parts
- Hobbies/Crafts

VARIABLE INFORMATION

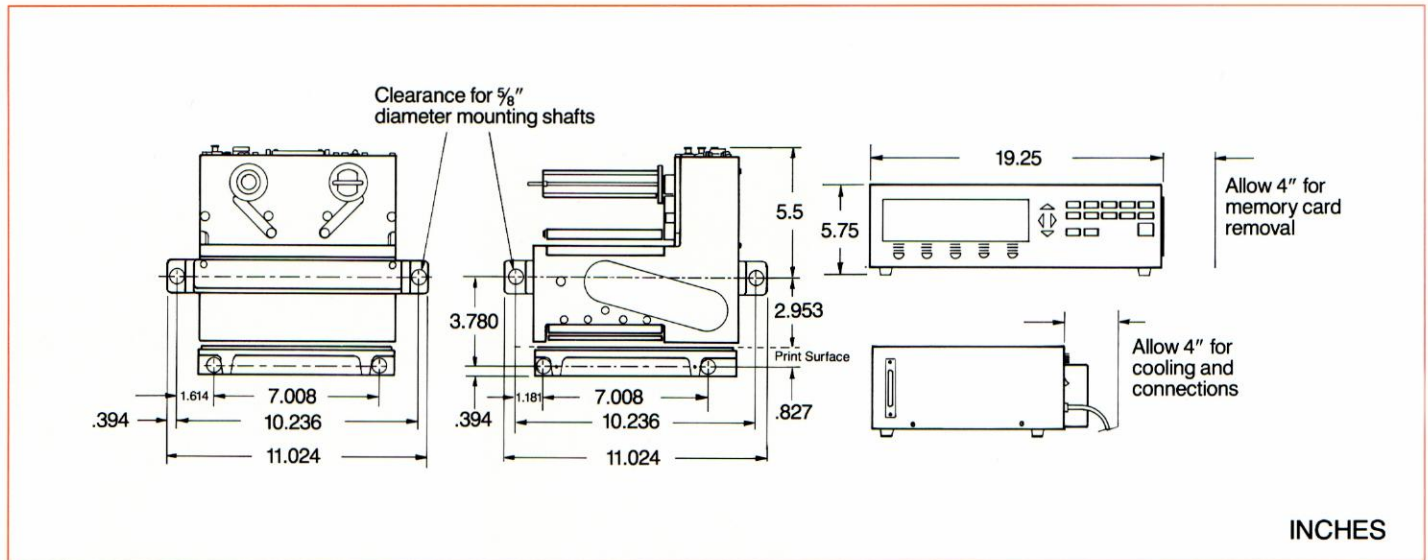
- Incremental/Decremental Numbering
- Special Promotions/Test Markets
- Bar Codes
- Lot Numbers
- Sell by Dates
- Prices
- Graphics
- Descriptions
- Country of Origin
- Nutrition Facts
- Sizes, Metric Units
- Source Codes
- Time Packaged
- Ingredients



Model J2744



The Model J 2744 provides a large print area ideal for ingredients, nutrition facts, bar codes, product descriptions, graphics and more. Message, substrate or speed changes can easily be accommodated providing more production uptime.



Specifications

Print Area 3.94" x 3.94", 100mm x 100mm

Printhead Speed 3.1 to 4.3" per second. Package rates depend on image size and substrate characteristics.

Printhead Dot Density 203 dots per inch, 8 dots per mm

Substrate Width No Limit

Weight Printer: 22 pounds, 10kg
Control box: 22 pounds, 10kg

Power Requirement Electrical: 110 VAC, 60 Hz, 6 amps
Other voltages available
Pneumatic: 60 PSI at < 1 cfm

Data Input Terminal, computer, bar code reader or other options

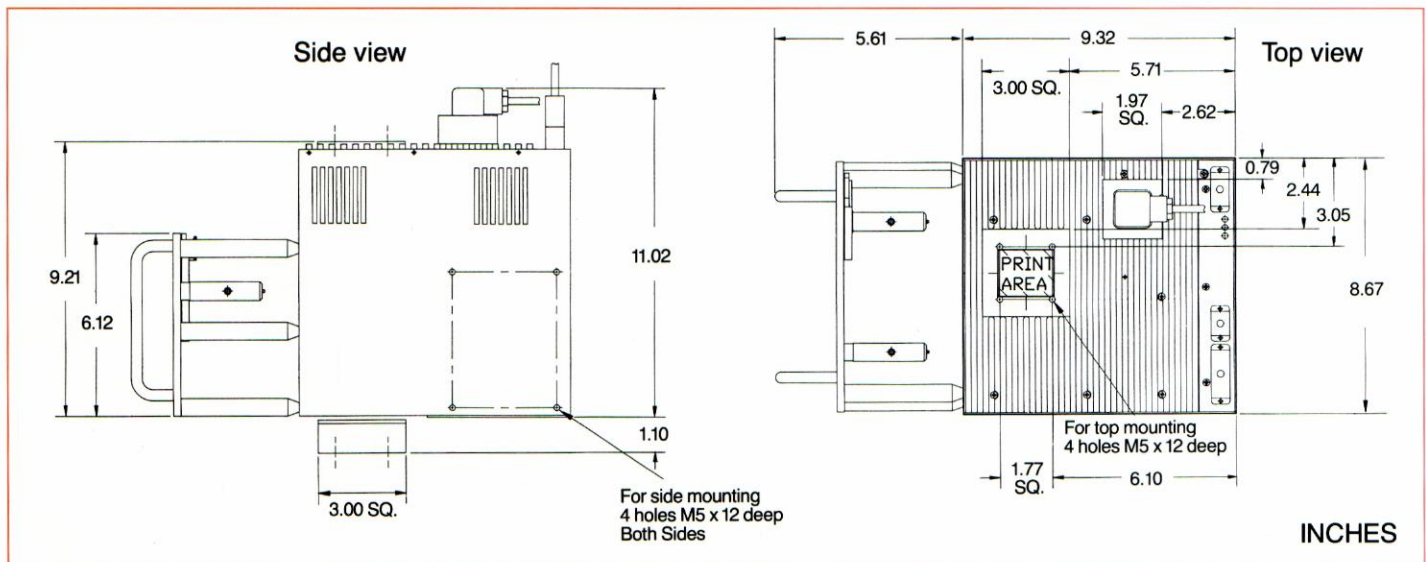
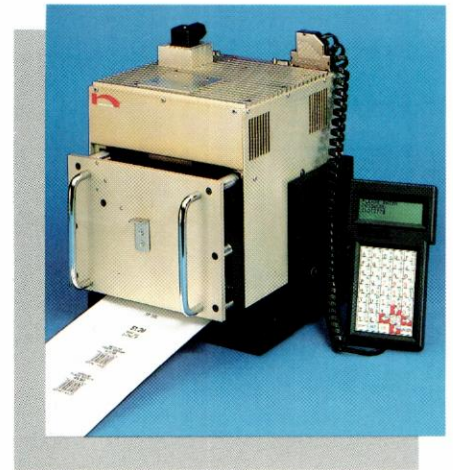
Mounting Printer can be mounted in any orientation, including upside-down.

Bar Codes UPC-A Codabar
I 2 of 5 Svensk 39
Code 39 UCC
EAN 8 & 13
(Checksum & human readable varieties standard)

Graphics PCX Files

J2800 Series

The J 2800 series features built-in controls and easily accessed hand-data input terminal for prompt adjustments or message changes. This series is ideal for bar codes, sell by dates, lot numbers, sequential numbering and more. It provides high speed printing, and the cassette-loaded ribbon provides easy changeovers for more production uptime.



Specifications

Print Area	Model J2800 1.6" x 1.9", 40mm x 48mm Model J2801 .5" x 1.0", 12.7mm x 25.4mm—Designed for high speed labeling	Data input	VT100 terminal emulation standard, other options— consult Norwood
Printhead Speed	1.2 to 5.9" per second. Package rates depend on image size and substrate characteristics. Higher speeds an option.	Mounting	Printer can be mounted in any orientation, including upside- down.
Printhead Dot Density	203 dots per inch, 8 dots per mm.	Bar Codes	UPC-A & E I 2 of 5 Code 128 Code 39 EAN 8 & 13 (Checksum & human readable varieties standard)
Substrate Width	No Limit	Graphics	PCX Files
Weight	25 pounds, 11.34 kg		
Power Requirement	110 VAC, 5 amps		



The Jaguar Provides More Profits and Production Uptime

Easiest installation & retrofitting

Doesn't require additional drive system or control of web. The Jaguar prints when the film is stopped, resulting in better print registration and no film degradation.

Increases production uptime

- Reduces maintenance time and costs
- Proven, patented mechanical design
- Designed for industrial applications
- No loss of stored data in the case of power interruption
- UL, CSA, FCC approved
- Few mechanical moving parts
- Low temperature operation—reduces potential burn through of film
- Modular design
- Self diagnostics

Exact traceability

- Automatic time, lot or shift changes available
- Minimize potential losses

Reduce costly inventories of pre-printed film, labels, cartons or cards

- Print in-house and gain control
- Reduce reliance on outside vendors
- More printing flexibility
- Ideal for special promotions, short runs and test markets

Management Information System

- Automatically track print counts
- No dedicated PC required to operate
- Store multiple image formats onboard
- Access existing database software
- Upgradable software
- Networkable



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