

EXCEL® Series 100 Ink Jet Printer

Proven Technology

VIDEOJET's EXCEL Series 100 is known worldwide for its track record of trouble-free operation. In fact, it's become the standard for thousands of large and small companies across the globe. EXCEL Series 100 is the smart, safe choice for your coding needs. Here's why:

The Ultimate in Reliability

The EXCEL Series 100's *SurePrint™* software constantly monitors your printer's operation and your product's code quality. Whether your printer is in use or idle, it continuously checks ink viscosity.

As your plant temperature varies during a long workday, *SurePrint* optimizes ink chemistry. It works constantly to minimize your production downtime.

Consistent Quality Printing

As it maintains proper ink viscosity, *SurePrint* also works to control each ink droplet, optimizing its "flight" and spacing. The result: a consistently crisp, high-contrast code.

Adapts to Your Packaging Line

SurePrint's special speed compensation feature allows it to adapt to the starts and stops of your line, ensuring that each code is printed in the same place on every product, every time.

Industrial Durability

The EXCEL Series 100's stainless steel, drip- and rust-resistant cabinet yields years of protected, reliable operation.

Versatile

The EXCEL Series 100 can serialize, automatically advance expiration dates, and print part numbers, batch codes and messages. It prints alphanumerics, bar codes, and custom logos in a variety of adjustable character formats.

It applies clear codes to virtually any surface — porous or non-porous, smooth, curved, textured, or ribbed — at nearly any production speed.

Less Hazardous Waste — More Running Time

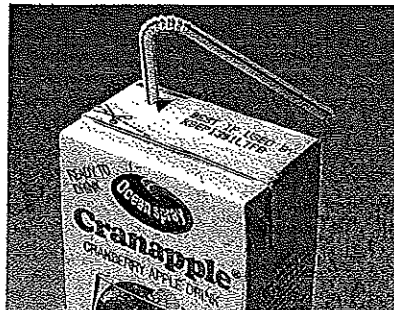
The EXCEL Series 100's hydraulic system virtually eliminates the hazardous waste disposal required by many other ink jet printers. It uses up all of the ink in the system, so there is none left to dispose. With no need for periodic ink changes or system flushes, EXCEL keeps your packaging line running, reducing labor and maintenance costs.

Easy to Use

Clear prompts displayed on an LCD screen lead operators with simple-to-follow steps through code entry procedures. The operator sees an LCD readout of the code, allowing for error corrections before printing.

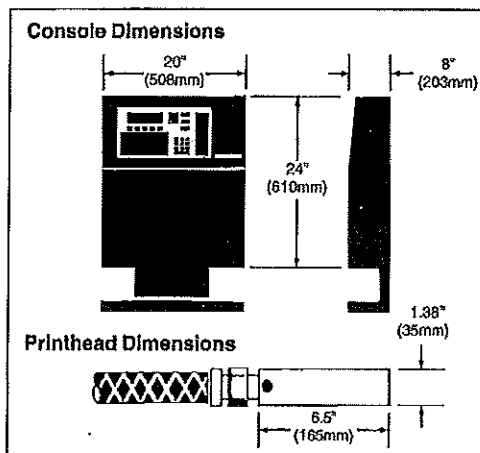
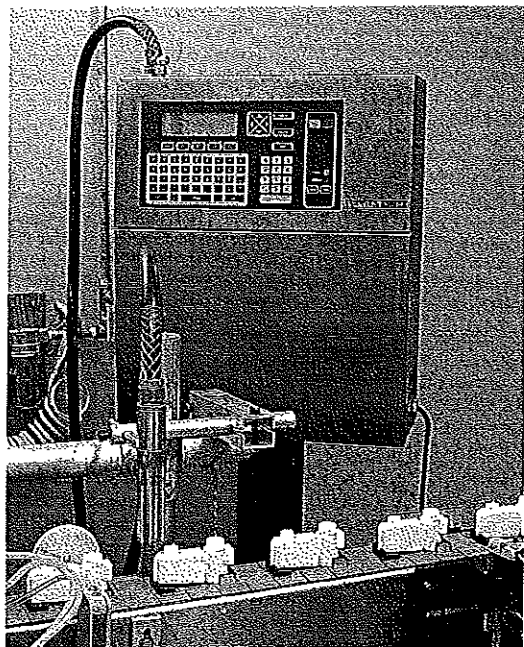
Operator prompts, keyboard, cabinet markings and Quick Reference Operator's Manuals for the EXCEL Series 100 are available in several languages. All gauges are clearly calibrated in both U.S. and metric measurements.

VIDEOJET®



The Service You Deserve

You get reliable equipment plus training and support from a worldwide sales and service network when you invest in VIDEOJET products. Call today for details on how the EXCEL Series 100 will meet your marking and coding needs.



Specifications

Line Speed Capability at 10 characters per inch, single line of print

5x5 matrix: up to 916 ft./min (278m/min)
 5x7 matrix: up to 611 ft./min (185 m/min)
 7x9 matrix: up to 203 ft./min (62m/min)
 10x16 matrix: up to 157 ft./min (48m/min)

Print Rate

Up to 1832 characters per second, depending on font

Font Matrix Configuration

5x5, 5x7 two-line, 7x9, 10x16, and bar code fonts

Optimal Character Height

Selectable from less than 1/8" (3.2mm) to more than 1/4" (6.4mm), matrix dependent

Keyboard

66 alphanumeric and special character keys on moisture- and ketone-resistant, membrane-type keyboard, security features, optional language versions

Display

40-character, eight-line LCD display

Custom Characters

Keyboard programmable characters

Custom Logo/Graphics

Available

Data Interface

128-character ASCII code; RS-232C at baud rates selectable up to 19.2 kbps

Standard Message Storage

Eight 62-character single-line messages or eight 124-character twin-line messages; additional message storage capacity available

Console

Free-standing/wall-mountable stainless steel cabinet; dimensions: 24" (610mm) high, 20" (508mm) wide, 8" (203mm) deep

Printhead

Compact, stainless steel 1.38" (35mm) diameter printhead, omni-directional capability

Printhead Cable

Vinyl-covered armored conduit, 20 feet (6.1 meters) in length

Ink

Wide range of formulation and colors

Ink Consumption

Up to 67.5 million characters per quart of ink, depending on ink, stroke-setting adjustments

Ink Containers

One quart (.95 liter) bottles each, ink and make-up fluid; five-gallon make-up container available.

Product Detection

Requires one product detector

Accessories

Printhead stand; wide range of product detectors; encoder; alert light; voltage regulators

Temperature Range

40° to 110° (5° to 43°C); 10% to 90% RH without condensation

Air Requirements

65-85 p.s.i. minimum; 100 p.s.i. maximum (range of 4.5 bars to 6.9 bars.)
 2 SCFM maximum (3.398 litres/hr.)

Weight:

Unpacked	82 lbs (37 kgs)
Packed:	100 lbs (45 kgs)

VIDEOJET

Videojet Systems International, Inc.

1500 Mittel Boulevard Toll Free: 800-654-4663
 Wood Dale, IL Telephone: 708-860-7300
 60191-1073 U.S.A. Fax: 708-616-3623

Offices: U.S.A.: Atlanta, Chicago, Dallas, Los Angeles, Philadelphia; INT'L: France, Germany, Holland, Ireland, Japan, Singapore, United Kingdom

Distributors Worldwide

Videojet Systems International's policy is one of continued product improvement. We reserve the right to alter design and/or specifications without notice.

VIDEOJET and VIDEOJET EXCEL are registered trademarks of Videojet Systems International, Inc.

Copyright 1991

Videojet Systems International, Inc.