

VIDEOJET EXCEL Series 170i:

World-Class Design

VIDEOJET's 170i represents a new generation in the EXCEL Series, built to compete with any small character ink jet printer in the world.

High Efficiency Fluid Control System

The patented, new Fluid Control System is a revolutionary ink return system that reduces make-up fluid consumption. By efficiently recycling the ink to reduce evaporation, the Fluid Control System minimizes operating costs.

Less Hazardous Waste - More Running Time

The EXCEL hydraulic system virtually eliminates hazardous waste disposal. Because it consumes all of the ink in the system, there's none to dispose. With no need for periodic ink changes or system flushes, EXCEL keeps your packaging line running, reducing labor and maintenance costs.

The low evaporation Fluid Control System reduces odors and fumes emitted into the air.

2

Industrial Durability

Stainless steel, drip- and rust-resistant cabinet gives years of protected, reliable operation, even in harsh environments. Its rugged vinyl-covered armored printhead cable is now available in both 20-foot (6.1 meters) and 12-foot (3.7 meters) lengths.

3

Back-Lit LCD Display Screen

A new back-lit LCD display screen ensures easy reading in any light. Clear prompts lead operators with simple-to-follow steps through machine procedures. The operator sees an actual LCD readout of the code as it is entered on the snap-action membrane-type keyboard, allowing for error corrections before printing. The keyboard can be locked for security, if necessary.

1

Easy to Use, All Over the World

The EXCEL Series 170i comes in International Versions for easy use around the world. Operator prompts, keyboard, cabinet markings and Quick Reference Operator's Manuals are available in several languages.



The Next Generation

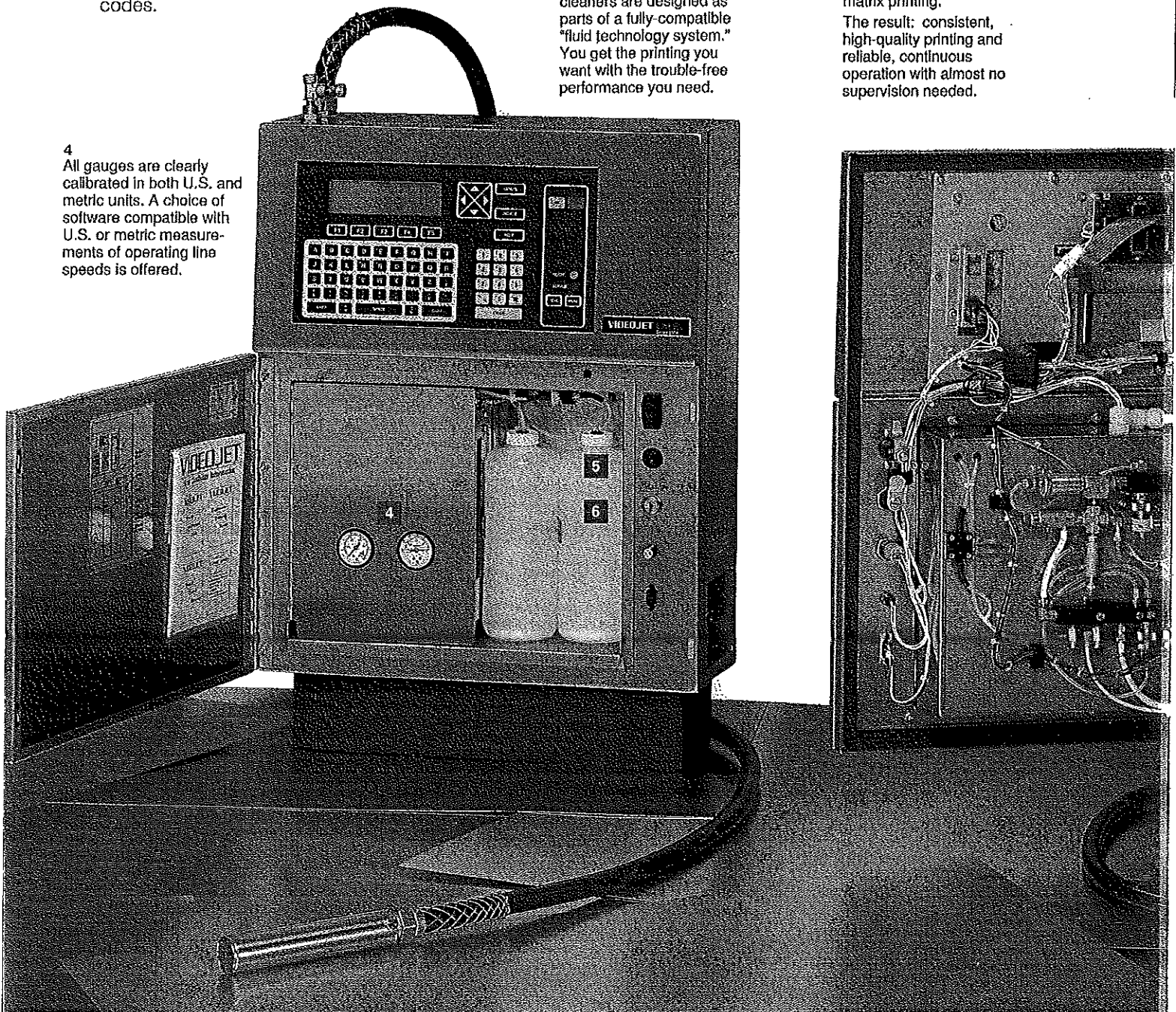
Triple-Line Print Option

The EXCEL Series 170i offers greater coding flexibility with its new triple-line printing option. This option expands the EXCEL Series' coding capabilities through its optimized printhead design that can generate a large 16 x 24 ink-drop matrix. Any combination of one, two, and/or three lines of print, graphics, and custom-design characters are now available. For many applications, the triple line option provides improved readability of Code 39 and Interleaved 2 of 5 bar codes.

5
Designed for Compatibility with VIDEOJET InkSource™ Inks
The Series 170i was tested with VIDEOJET's InkSource inks to ensure against problems that could damage your productivity. Machine, inks, make-up fluids and cleaners are designed as parts of a fully-compatible "fluid technology system." You get the printing you want with the trouble-free performance you need.

6
SurePrint™ Software
SurePrint software enables the EXCEL Series 170i to work all on its own. It automatically monitors and adjusts ink viscosity for consistent printing and maximum uptime. It controls each ink droplet, optimizing its "flight" and spacing for perfect dot matrix printing. The result: consistent, high-quality printing and reliable, continuous operation with almost no supervision needed.

4
All gauges are clearly calibrated in both U.S. and metric units. A choice of software compatible with U.S. or metric measurements of operating line speeds is offered.



A Smarter Electronic "Brain"

The new multi-layer control board is the computer "brain" which operates the EXCEL Series 170i. It has a new, rugged design for greater reliability and expanded storage for 32 messages. Plus, we added extra memory for future enhancements.

The Service and Support You Deserve

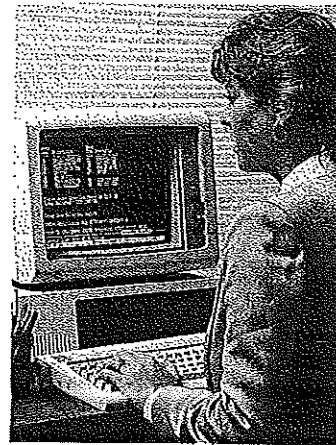
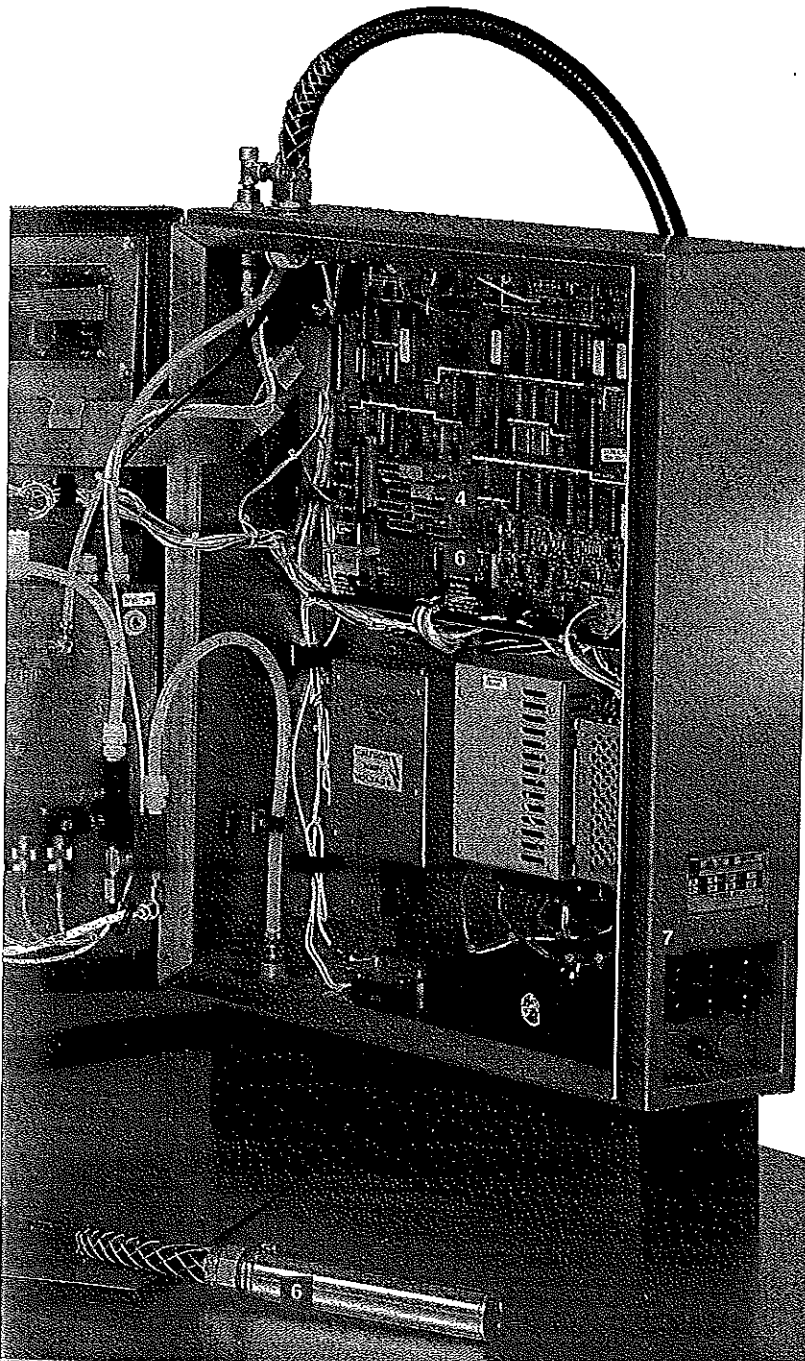
When you buy Videojet products, you invest in productivity. And we make sure you get it. With tens of thousands of Videojet units in operation, our field service technicians and trained distributor personnel have the skills and experience to help provide you the absolute in up-time and trouble-free printing.

Our advanced training programs, manuals and videotapes will assist your personnel in running and maintaining all of your Videojet systems.

Best of all, Videojet products are built with quality assurance at every stage. Innovation, superior inks designed for ease of use and reliability, and the good treatment you expect from a leader — those are the hallmarks of Videojet.

Call Us Today

Call Videojet today to see how the EXCEL Series 170i will meet your printing needs. Ask a trained Videojet coding expert to run a test printing on your product in our sample lab. They have the expertise to solve your marking and coding problems.



7 Easy to Control

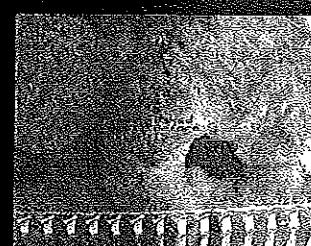
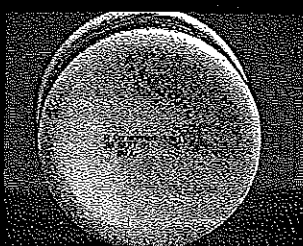
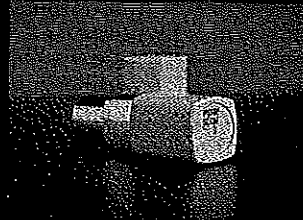
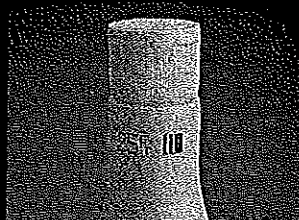
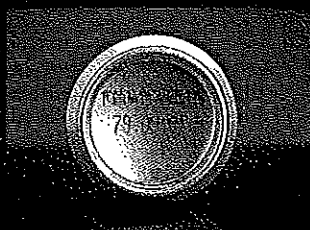
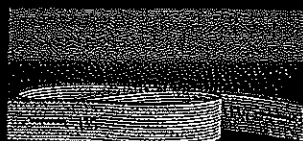
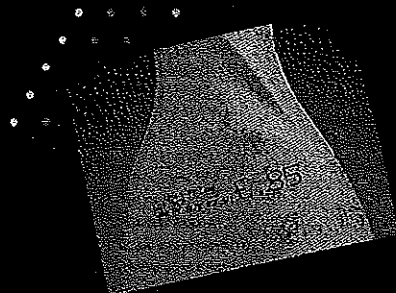
In addition to entering codes and operating the machine from the keyboard and the built-in memory, the Series 170i will connect to external devices through its RS-232 port.

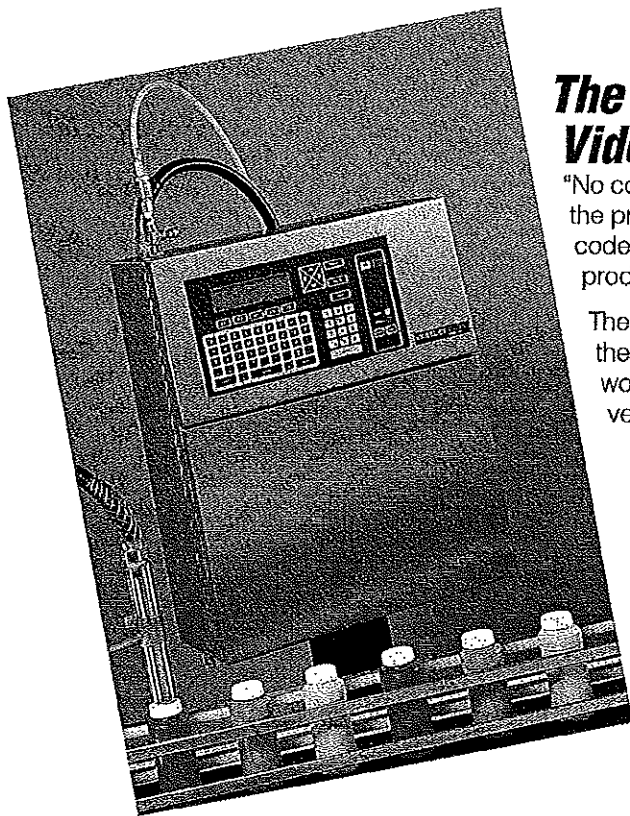
The Marking and Coding You Want

The EXCEL Series 170i gives you the versatility to identify products and packages with one, two or three lines of clear, printed alphanumerics, plus bar codes and custom logos. You can serialize, automatically advance expiration dates, and print part numbers, batch codes and messages in a variety of adjustable character formats.

Print on Any Material

The Series 170i applies codes to virtually any surface: porous or non-porous; smooth, curved, textured, or ribbed; at nearly any production speed - whether uniform, variable or intermittent. It is the ultimate for non-stop production and packaging line coding.





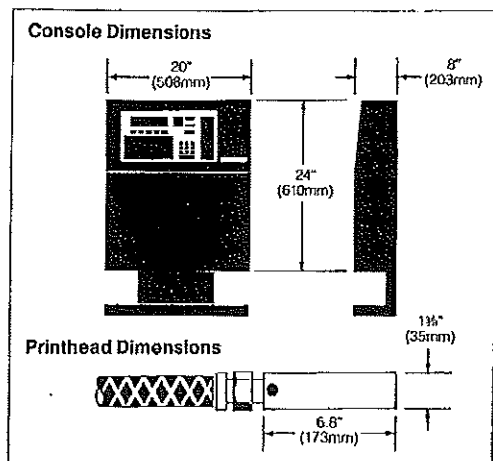
The Ultimate Reliability of a Videojet Printer

"No code, no run." For many companies, products cannot leave the production line until they are printed with batch codes, bar codes, pricing, expiration and/or other data. That's why productivity depends on a reliable coding method.

The EXCEL Series 170i inherits all the features that have made the EXCEL Series 100 the most reliable ink jet printer in the world, while moving to the next level of economy and versatility.

Specifications

Line Speed Capability at 10 characters per inch, single line of print	5x5 matrix: up to 916 ft./min. (278 m/min.) 5x7 matrix: up to 611 ft./min. (185 m/min.) 7x9 matrix: up to 203 ft./min. (62 m/min.) 10x16 matrix: up to 157 ft./min. (48 m/min.) 16x24 matrix: up to 55 ft./min. (17 m/min.)
Print Rate	Up to 1832 characters per second, depending on font
Font Matrix Configuration	5x5, 5x7, 5x7 twin-line, 5x7 triple-line, 7x9, 10x16, 16x24, and bar code fonts
Optimal Character Height	Selectable from less than 1/8" (3.2mm) to more than 1/3" (8.4mm)
Keyboard	66 alphanumeric and special character keys on moisture and ketone resistance, membrane-type keyboard, security features, optional language versions
Display	40-character eight-line illuminated (backlit) LCD display
Custom Characters	Keyboard programmable characters
Custom Logo/Graphics	Available
Data Interface	128-character ASCII code; RS-232C at baud rates selected up to 19.2 kbps
Standard Message Storage	Thirty-two 62-character single-line messages; thirty-two 124-character twin-line messages; thirty-two 186-character triple-line messages; additional message storage capacity available
Console	Free-standing/wall-mountable stainless steel cabinet; dimension: 24" (610mm) high, 20" (508mm) wide, 8" (203mm) deep
Printhead	Compact, stainless steel 1-3/8" (35mm) diameter printhead, omni-directional capability
Printhead Cable	Vinyl-covered armored conduit in optional lengths of twenty feet (6.1 meters) or twelve feet (3.7 meters)
Ink	Wide range of formulations and colors
Ink Consumption	Up to 67.5 million characters per quart of ink, depending on ink, stroke setting and adjustments
Ink Containers	One quart (.95 liter) bottles each, ink and make-up fluid, and cleaning solution.
Product Detection	Requires one product detector
Accessories	Printhead stand; console stand; wide range of product detectors; encoder; alert light; voltage regulators
Temperature/Humidity Range	40° to 110°F (5° to 43°C); 10% to 90% RH
Air Requirements	65 to 85 psi minimum (4.3 to 5.7 bars), depending on ink; two SCFM max; dry, oil-free, filtered air
Electrical Requirements	Nominal 110 or 240 VAC at 50/60 Hz; 75 watts
Approximate Weights	Unpacked 82 lbs. (37.2 kg) Packed 100 lbs. (45.4 kg)



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

VIDEOJET

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