



Professional Packaging Systems

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Videojet 1710 Small Character CIJ Continuous Inkjet Printer



At a Glance

- High-contrast codes on dark or difficult to mark substrates
- Maximum line speed 271 m/min (888 ft/min)
- Special core engineered for pigmented inks
- Ideal for colored glass, rubber tubing, plastic cabling and dark paperboard

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

CIJ Printer with Pigmented Inks for High Contrast Coding

The Videojet 1710 continuous inkjet printer is designed for applications that require high-contrast codes on dark or difficult to mark substrates.

The Videojet 1710 small character continuous inkjet printer uses high-contrast, pigmented inks to create bright, clean codes on surfaces for which dye-based inks are not effective, such as colored glass, rubber tubing, plastic cabling and dark paperboard. It is capable of printing a variety of fonts in multiple languages, as well as linear bar codes, 2D DataMatrix codes, custom logos and graphics.

Benefits

Capabilities Meet Fast Production Lanes

Dynamic Calibration adjusts jetting parameters automatically to ensure high quality print.

The unique fluid system assures proper dispersion of pigments while printing, or when idle for long periods of time.

Print from 1 to 5 lines of text at high speeds:

Single line max speed = 271 m/min (888 ft/min)

Dual line max speed = 122 m/min (400 ft/min)

Tri-line max speed = 67 m/min (221 ft/min)

Engineered for Extended Runs and Uptime

CleanFlow technology resists ink buildup that can cause ordinary inkjet printers to shut down.

New conical ink reservoir minimizes natural effects of pigment settling.

Long run time between preventive maintenance; Up to 4,000 hours or 12 months (whichever occurs first) core life.

Internal pump means no external air, minimizing potential for contaminants to enter ink stream.

Auto cleaning printhead for fast start-ups even after extended shutdowns.

No Mess, No Waste Fluid Delivery

Innovative fluid management system simply and reliably delivers ink to the products you need coded without significant operator intervention.

Smart Cartridge fluid delivery system to virtually eliminate spills and help ensure the correct fluids are being used.

Simple Usability via Videojet Standard CIJ Interface

Bright display with WYSIWYG and function keys for easy operation.

User levels to separate operation from installation and maintenance.

Prompted user fields to help reduce coding errors.

Special Core Engineered for Pigmented Inks

Intelligent clustering of pigmented filters and components with similar life spans for reliability and easy maintenance.

New conical ink reservoir minimizes natural effects of pigment settling.

Core eliminates messy filter and pump replacement.

Printhead Extends Intervals between Cleanings

High-efficiency nozzle reduces printhead cleaning through precisely formed and directed ink drops.

Manifold circulates fluids to enable clean starts/stops.

Specially filtered air from perforated front face directs ink and dust away from printhead to reduce build up.

Smooth deck for easy cleaning of pigmented ink.

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.

Specifications

Print Heads	1
Ink	Pigment based
Maximum Lines of Print	5
Maximum Line Speed	271 m/min (888 ft/min)
Environmental Protection	IP55 (IP65 Optional)
Core Life (Maintenance Interval)	Up to 4,000 hours or 12 months (whichever occurs first)
Umbilical Length	3 m (9.8 ft) optional 6 m (19.6 ft)
Message Storage Capability	More than 250 complex messages
Smart Cartridge	Included
Plug and Play Printhead Modules	Included
USB	Included
Communications	Ethernet and RS-232 Serial
Positive Air / CleanFlow	Included
Display (User Interface)	LCD with membrane keyboard

More Specifications

Line Speed Capability	1-5 lines of print, up to 888fpm (271mpm) at 60 dpi
Font Matrix Configuration	Resolution range; 5x5 through 25x34 dot matrix
Linear Bar Codes	UPC-A/E, EAN-8/13, Code 128 A/B/C, UCC/EAN 128, Code 39, I 2 of 5, GS1
DataMatrix Codes	10x10 through 32x32 and 18x8 through 48x16
Nominal Character Height	0.080" (2mm) – 0.40" (10mm), font dependent
Throw Distance	0.2" (5mm) – 0.6" (15mm), 0.5" (12mm) optimal

Keyboard	Membrane tactile feedback 72 alpha-numeric and special function keys Approximates international PC convention
Display	320x240 bright backlit LCD display, 5.7" (14.5cm)
Custom Logo/Graphics	Created by user on printer or on PC and imported via USB
Character Sets	English, Arabic, Bulgarian, Chinese, East European, Greek, Hebrew, Kanji, Korean, Russian, Scandinavian, Turkish
Languages and Interface Options	English, Arabic, Bulgarian, Simple Chinese, Traditional Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese
Data Interface	RS232 serial, Ethernet (optional) CLARISOFT/CLARINET via RS232 and ethernet Message management via USB
Message Storage	250 messages standard
Environmental Protection	IP55 (IP65 option, no plant air required); stainless steel cabinet
Printhead	Positive air standard Diameter 1.63" (41.3mm), length 10.62" (269.8mm), 60/70 micron nozzle
Printhead Umbilical	Length 9.8' (3m), optional 19.7' (6m), diameter 0.9" (23mm), bend radius 3.0" (76mm)
Fluids Containers	Ink; 0.63 qt (600ml) and Make-Up; 0.79 qt (750ml) cartridges
Temperature/Humidity Range	41 °F to 113 °F (5 °C – 45 °C), 0-90% RH (non-condensing) With selected inks; actual installation may require additional hardware based on production environment conditions
Electrical Requirements	100-120 / 200-240 VAC at 50/60 Hz, 120 WW
Approximate Weight	46 lbs (21kg)
Options	IP65 with 316 stainless steel (no plant air required) Dry air kit for high humidity (requires plant air) 60 or 70 micron nozzle Food grade version 90 degree printhead Wide range of accessories

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