Continuous Inkjet

# Videojet® 1710

**Superior uptime in diverse applications for easily readable codes. The Videojet 1710 is designed for customers requiring high contrast codes on dark or hard to mark substrates.**

For applications that require easily readable variable data codes on dark or difficult to mark materials, Videojet has designed the Videojet 1710 small character continuous inkjet printer. The 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.

## Uptime Advantage

- CleanFlow™ technology resists ink build up 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; core life of up to 4,000 hours or 12 months, whichever occurs first
- Auto cleaning printhead for fast start-ups even after extended shutdowns

## Built-in productivity

- 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

## Unique fluid capabilities

- High-contrast, pigmented inks create bright, clean codes on dark or difficult surfaces
- 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

- 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

# Videojet® 1710
## Continuous Inkjet

### 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

**Line speed capability**
1-5 lines of print, up to 888fpm (271mpm) at 60 dpi (see Print Sample Guide)

**Font matrix configuration**
Resolution range; 5x5 through 25x34 dot matrix (see Print Sample Guide)

**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 ºF to 113 ºF (5 ºC – 45 ºC), 0-90% RH (non-condensing)
*With selected inks; actual installation may require additional hardware based on production environment conditions*
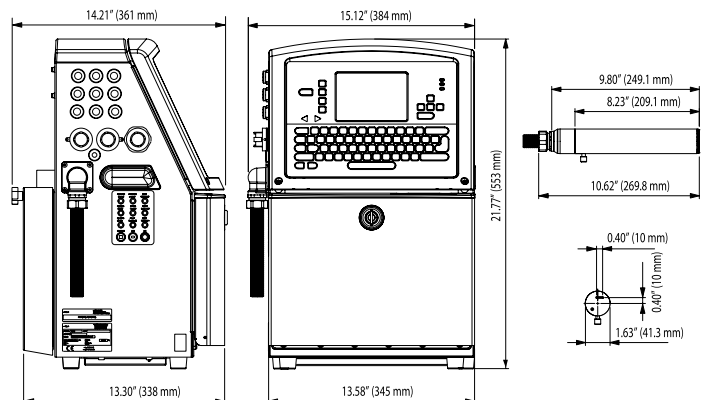
**Electrical requirements**
100-120 / 200-240 VAC at 50/60 Hz, 120 WW

**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



CERTIFIED ISO 9001 DOCUMENTED QUALITY   CE   UL DE   GS geprüfte Sicherheit