

Small Character Ink Jet Printing

The biggest advancement in small character ink jet technology in over 30 years!

- ***Lowest cost per code***
- ***Simplest maintenance of any industrial ink jet printer***
- ***Fast, reliable start up after any type of shutdown***



Simple, Reliable Coding and Lowest Cost Per Code

The Videojet 1120 Micro Valve Ink Jet Printer

The Videojet 1120 Micro Valve ink jet printer represents the largest technology advancement in small character printing in more than three decades. The patented Micro Valve technology combines the key benefits of continuous and drop-on-demand technology. The result is a simple-to-operate-and-maintain single-fluid system that prints reliable codes with fast drying solvent-based inks.

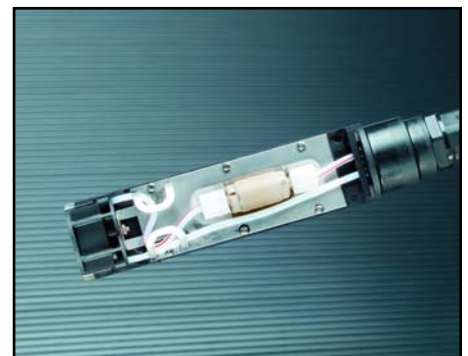


Lowest cost per code

The Videojet 1120 patented single fluid ink system is the only solvent ink-based industrial ink jet printer that uses every drop of fluid that you pay for. There is no second bottle of fluid as is found in typical solvent-based printers. The elimination of a solvent viscosity control system reduces fluid usage on average by up to 80%. This fluid reduction simplifies stock control, reduces waste and nearly eliminates any solvent escape into the work place. The Videojet 1120 delivers the lowest cost per code over competitive equipment.

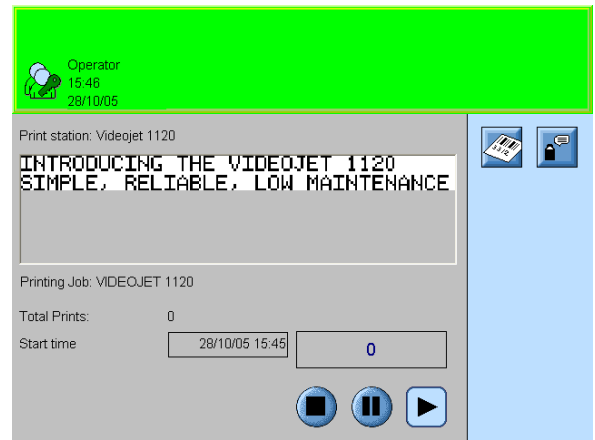
Simplest maintenance of any industrial ink jet printer

The single fluid system allows for easy access, maintenance and training, and there are only a few replacement parts necessary. This keeps maintenance time and cost to a minimum. Delicate ink charging components found in traditional ink jet printers are not necessary in this printer, the Videojet 1120's sealed printhead is the most rugged in its class. The printhead also does not require the printer to be shutdown to be maintained, which maximizes uptime. It is truly the simplest and quickest to maintain printhead in its class.

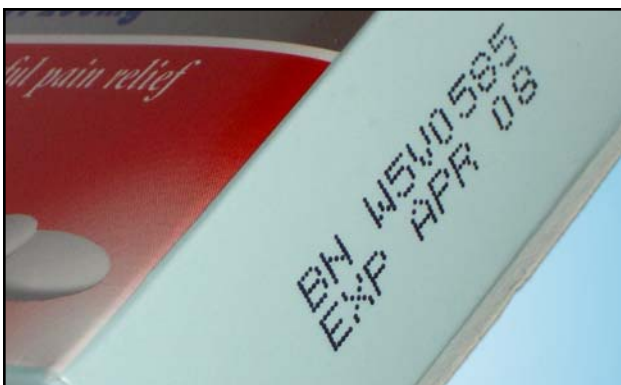


Fast, reliable start up after any type of shutdown

The printhead in the Videojet 1120 is sealed, eliminating nozzle blockages that can cause problems at start up. Since the printer has no fluid system shutdown procedure, it is resistant to power outages, and well-suited for intermittent applications and extended shutdown periods. In addition, there is no shutdown procedure for operators to perform, eliminating issues that might occur if this procedure is not completed correctly.



Embossed low contrast fixed code



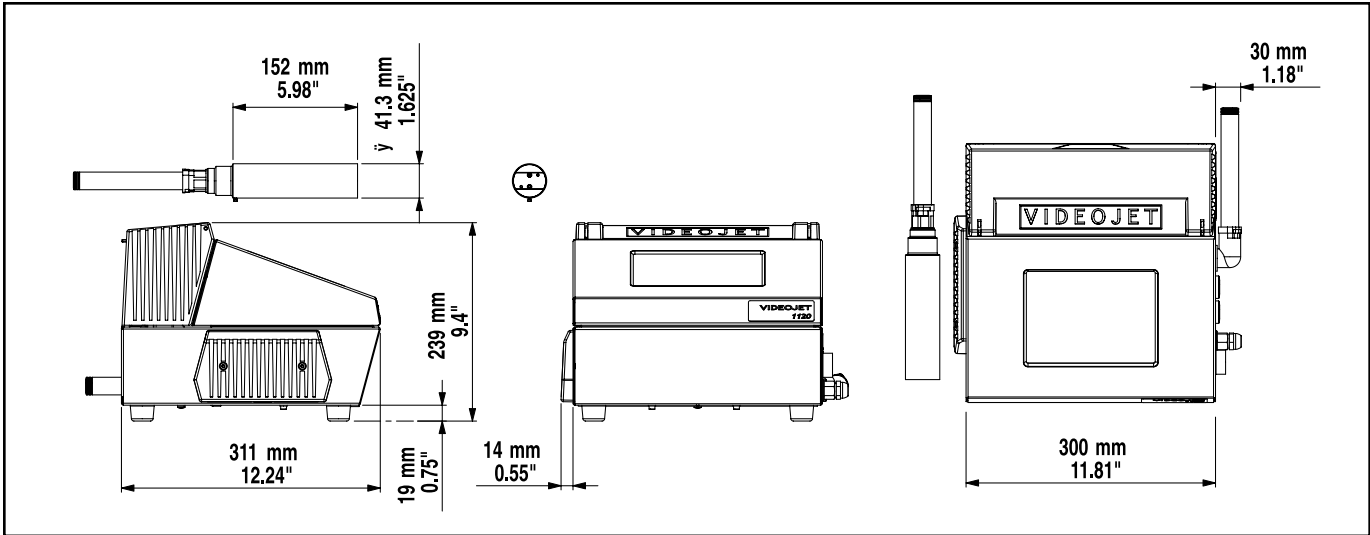
Videojet 1120 high contrast variable code

Designed to be your first ink jet printer

The Videojet 1120 is the ideal printer upgrade for customers currently using embossing, hot foil or manual date marking systems. With automatic time, date and counter features and print heights from 2 – 30mm, the flexibility of the Videojet 1120 will make your move to variable coding simple, and deliver the results you need. The user-configurable colour touch screen interface allows for simple printer control and operator message selection.

Typical applications

The Videojet 1120 printer is ideal for marking onto primary packaging materials such as PET, cardboard, PE, PP, PVC, glass, metal and films. Secondary packaging materials including shrink wrap and cardboard trays are also easily marked by this system. Whether your application is to mark food, beverage, cosmetics, household packaging or extruded products, the Videojet 1120 delivers high quality, reliable codes at an affordable price.



Specifications

System Capabilities

Print performance

- 63m/min (208ft/min); no degradation in production speed for multi-line or logo printing
- 5, 7, 9, 12, 15 and 16 dot high fonts
- Multiple single and twin-line print formats
- Multi font, line, size and logo formats
- Inverse, reverse, multi-stroke and reversed filled print effects
- Print heights from 2 mm (0.079") to 30 mm (1.181"). Consult your local sales representative for further print details.

Standard software

- Standard and Julian date formats; Expiry day, month and year
- Second, minute and hour time formats
- Consecutive counters (incrementing & decrementing)
- User configurable shift code formats
- User configurable operator field prompts
- Remote RS232 data insert & remote message selection
- User and system activity logs
- Fully configurable security features with password access
- No message length restriction
- CompactFlash® card memory storage
- Storage of in excess of 500 messages
- Unicode - 96,447 worldwide printable characters

Network connectivity

- RS232 / RS485

Operator Keyboard Languages

English, Spanish (Modern and Traditional), Portuguese (Brazilian), Arabic, Chinese (PRC), Hungarian, Russian, Japanese, Polish, Thai, Turkish, Vietnamese

Printable Characters

English, Danish, Dutch, Finnish, French, German, Swedish, Italian, Spanish (Modern and Traditional), Portuguese (Brazilian), Arabic, Chinese (PRC), Hungarian, Russian, Japanese, Korean, Polish, Thai, Turkish, Greek / Coptic, Hebrew, Cyrillic & Vietnamese

System Components

Printer cabinet

- IP-54 stainless steel industrial enclosure
- 18.8 cm (7.4") WYSIWYG colour touch-screen interface
- Weight – 9.5kg (20.9lb)
- Table-top or free standing stand mountable

Printhead

- Stainless steel cover
- 3m (9.8 feet) solvent resistant umbilical
- 360° print position at any +/- height relevant to the printer cabinet
- Printhead to substrate distance from 1–15 mm (0.039"-0.591")

Accessories

- Photocell NPN standard, PNP jumper selectable
- Shaft encoder 5000 ppr (100 pulses per mm of travel)
- Floor and printhead mounting options
- 3 colour alert beacon

Fluid

- A range of fast dry for porous and non-porous substrates
- 750 ml ink cartridge

Environmental Limits

Operating temperature

- 41°F to 113°F (5°C to 45°C)

Relative humidity

- 0 to 90%, non-condensing

Electrical Requirements

- Supply voltage: 100-120 / 200-24V

CERTIFIED
ISO 9001
DOCUMENTED QUALITY



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