

Introducing smart  
marking and coding.

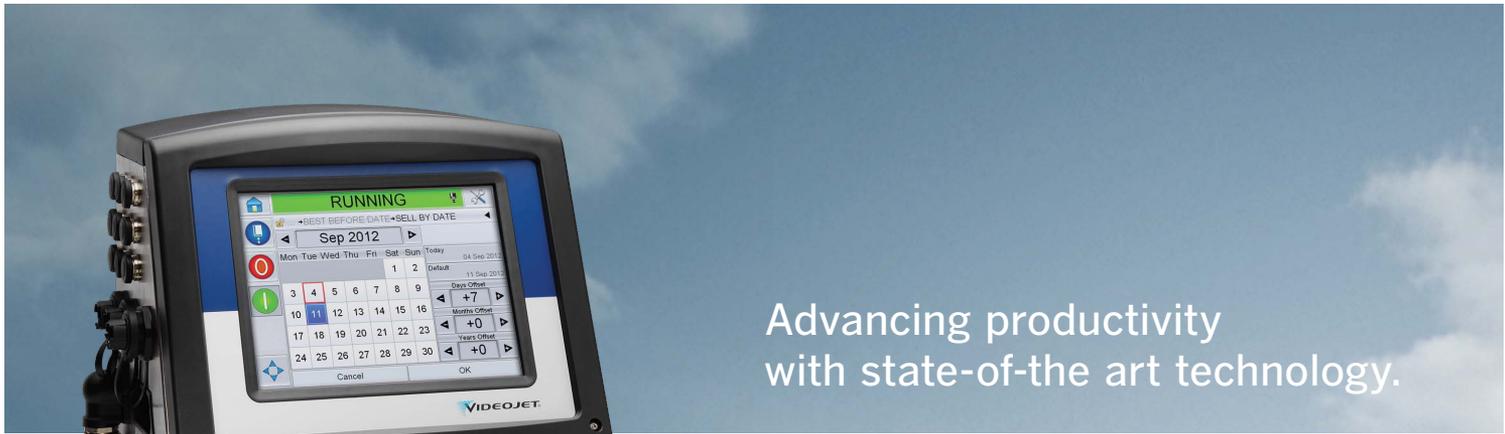
*Productivity made simple.*

## Videojet® 1000 Line

Small Character Ink Jet Printers



**VIDEOJET®**  
Uptime Peace of Mind®



Advancing productivity with state-of-the art technology.

Videojet 1000 Line continuous ink jet printers are engineered for extended run time, keeping your production line up and running longer. So advanced, they automate set up and cleaning. So well designed, they make maintenance easier than ever. These features combine to create a printing system that customers tell us produces 99.9% availability.\*

Easy, predictable maintenance.



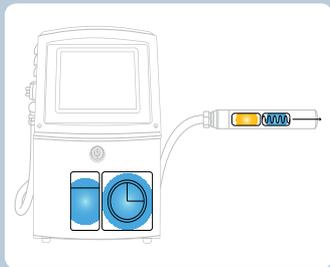
The advanced core design enables 1000 Line printers to perform longer between planned maintenance. The core is customer-replaceable and this replacement procedure

includes all ink system filters and common wear parts.

- No additional filters to change or quick connects that can break and need replacing
- Components in the core means only one part to replace
- Operator alert when core replacement is needed
- Innovative core to utilize pigmented fluids for high contrast codes on dark surfaces (1710 only)
- Longest published maintenance interval in the industry

Clear advantage in print quality.

Advanced drop placement technology in the 1000 Line printers delivers best-in-class print quality



• An advanced printhead featuring automatic set up, calibration and adjustment ensures consistent performance with minimal operator intervention

- Dynamic Calibration™ automatically adjusts to changes in temperature and viscosity for consistent print quality in real world environments
- Choice of 60 or 70 micron nozzle for higher contrast codes



70 micron nozzle



60 micron nozzle

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\*Results of 99.9% availability obtained from a survey of customers representing over 400 printers on active production lines. Over half of the surveyed customers experienced 100% availability. Individual results may vary.

## CleanFlow™ printhead technology – increased uptime

With an auto cleaning function and positive air standard, the 1000 Line printers offer the most advantaged printhead on the market today. The CleanFlow™ printhead\* is designed to provide maximum uptime without using any plant air. By reducing ink build up that can cause traditional ink jet printers to shut down, this unique printhead requires less cleaning and enables longer runs without intervention.

\* Available in all models except for the 1210 and 1220



*Perforated design reduces buildup and cleanings*



- The printer uses an internal pump to deliver positive air to the printhead. The supplied air is filtered to eliminate dust from contaminating the printhead.
- Perforated design reduces buildup across the entire printhead face and extends time between cleanings
- Optional 60 micron nozzle reduces splash back
- Stainless steel printhead cover for easy clean up and durable operation
- Standard positive air and auto-cleaning printhead deliver long runs between cleanings and fast, easy startup, even after extended shut down
  - Flush nozzle to eliminate clogs
  - Wash nozzle face for clean start-up
  - Clean return line for extended shut-down





## Simple, reliable operation in a wide range of environments

All 1000 Line printers feature a highly intuitive interface to streamline daily functions. The 1550 and 1650 printers have a fast-responding 10.4" touch screen. The displays show all of the printer operation information and the WYSIWYG display means you'll always see what you're printing.

- Full-size PC-style keyboard or large format touchscreen reduce operator input errors
- Real-time fluids levels and maintenance alerts displayed on screen
- Operating temperature range from 32° – 122° F (0°-50° C), depending on ink selection
- One-button start up and shutdown
- Lightweight design that is easy to move with built-in handles
- Full range of service options and care packages ensure smooth operation

## No mess, no waste, no mistakes.



The Smart Cartridge™ fluid delivery system eliminates spills and ensures that all the fluid in each cartridge is used.

- Microchip on fluids cartridge confirms the correct fluid is being used
- Self-contained cartridge with needle and septum design eliminates fluid spills
- Low make up consumption reduces operating costs
- Internal bladder design ensures all fluid is drained from the cartridge, saving money on supplies
- Full range of eco-friendly inks and specialty fluids available



*No spills or mess from needle and septum cartridge design*



*Cross-section view of internal bladder when fully emptied*



## Connectivity and flexibility to meet expanding needs

Compatible with Videojet's Clarisoft® and Clarinet® package coding management (PCM) software, the 1000 Line printers can be managed by a central PC or via the user interface.

- PCM software ensures the correct code is on the appropriate package
- Store more than 250 complex messages (dependent on model type) with additional memory available via USB
- No plant air required
- Wide range of connectors and expansion options
- 1550 and 1650 printers feature web server connectivity for remote access

## Hard working, inside and out



The 1000 Line printers deliver on their promise of reduced cost to own, operate and maintain. The lower solvent consumption in these printers means lower supplies expenses and less time spent on fluids replacement.

Specifically designed for performance in tough environments, these printers code reliably in a variety of applications where speed, quality of code and flexibility are key factors.

- Rugged, stainless steel cabinet and printhead cover for resilient performance in challenging environments
- IP65 rated versions available for wash down and dusty environments
- Unique vapor recovery system for low solvent consumption and fewer fluid replacements
- Internal pump eliminates the need for factory air



- A** Message B Input
- B** Message A Input
- C** Print Trigger 2
- D** Comms RS 232
- E** Status Output
- F** Shaft Encoder
- G** Comms RS 485
- H** Relay Switches
- I** Print Trigger 1
- J** Ethernet
- K** USB
- L** I/O
- M** Handle

I/O ports / side panel (1620 shown)

# Videojet® 1000 Line

Small Character Ink Jet Printers

Ink Jet. Laser. Thermal Transfer. Labelers. Track & Trace. Supplies. Parts & Service.



	Videojet® 1220	Videojet® 1520/1550	Videojet® 1620/1650	Videojet® 1610DH	Videojet® 1710
Max. no of printheads	1	1	1	2	1
Inks	dye-based	dye-based	dye-based	dye-based	pigmented
Lines of print	3	5	5	2 x 5	5
Max. line speed	533 fpm (162 m/min)	914 fpm (278 m/min)	960 fpm (293 m/min)	960 fpm (293 m/min)	888 fpm (271 m/min)
Protection standard	IP55	IP55 (IP65 opt.)	IP65	IP65	IP55 (IP65 opt.)
Core life (hours)	9,000 (or 3 years*)	12,000	14,000	12,000	4,000
Umbilical length	2m (3m opt.)	3m (6m opt.)	3m (6m opt.)	3m (6m opt.)	3m (6m opt.)
Message storage capacity	100	100 / 250+	250 / 250+	250	250
Smart Cartridge system	●	●	●	●	●
Plug & Play printhead modules	●	●	●	●	●
USB	●	●	●	●	●
Ethernet, RS232, RS485	○	● / No Serial	● / No Serial	●	●
Linear and 2D bar codes	–	●	●	●	●
High speed fonts	–	–	●	●	●
Positive air	○	●	●	●	●
Advanced Clean Flow printhead	–	●	●	●	●
Vapor recovery system	–	●	●	●	●
Expanded I/O ports	–	–	●	●	●
Display	Keyboard	Keyboard / Touchscreen	Keyboard / Touchscreen	Keyboard	Keyboard

● Standard ○ Optional – Not available

\*Whichever comes first

## Unmatched equipment, service, support solutions

Videojet is a worldwide marking and coding total solutions provider, including high-quality fluids and supplies. As experts in servicing and maintaining Videojet equipment, we have the industry's largest and most qualified factory-certified service team. With integration support and special application resources, we provide turnkey solutions for the most complex and demanding production environments.

Greater productivity. Less maintenance. Lower cost of ownership. Find out how the new 1000 Line ink jet printers can help you raise uptime to a whole new level. To learn more, visit [www.videojet.com/1000line](http://www.videojet.com/1000line).



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