**Simplicity and substrate versatility**

Thermal Ink Jet

# Videojet 8610

**VIDEOJET**

**Revolutionizing thermal ink jet technology, Videojet's 8610 combines the simplicity of a cartridge-based printing system with MEK-based, industrial ink performance for non-porous substrates.**

# Simplicity, substrate versatility and crisp, repeatable codes... without compromise.

In dynamic packaging operations, simplicity, flexibility, and productivity are paramount. The revolutionary Videojet 8610 is the world's first printer combining a purpose-built MEK compatible TIJ cartridge with the inherent simplicity of thermal ink jet technology. Print high resolution text, bar codes, and graphics on films, foils, plastics and coated stocks while eliminating complicated operation and maintenance procedures.

## The clear advantages of the 8610 print system

### Code Assurance

Engineered to help eliminate human errors, advanced software takes the guesswork out of set-up. With a range of customer-selected rules and permissions, operator training and intervention is minimal.

### Built-in productivity

The patent-pending Cartridge Readiness System™ (CRS) helps ensure consistent code quality even after interruptions in product flow. Minimize scrap, rework, and printhead intervention and focus your staff on other parts of your operation.

### Simple usability

With cartridge change in 15 seconds or less, and an intuitive, icon-based controller, the 8610 is arguably the simplest industrial ink jet printer available. Maintenance is minimal and only requires an occasional wipe of the print array and the shutter.
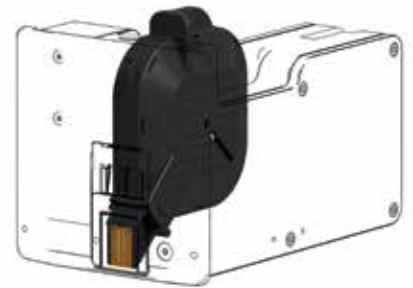
### Uptime advantage

Each cartridge change brings a new print array, helping to ensure peak performance. With no calibration procedures and no wear parts to change, the 8610 is purpose-built to exceed 99.9% Availability.*

*Results based on testing using the reliability growth curve method for in excess of 70,000 cumulative hours and 75 million prints. Individual results may vary.

# Bring high resolution to a wide range of packaging

Purpose-built to use fast drying solvent inks such as MEK, the Videojet 8610 can print on most of your challenging packaging materials. With near letter quality resolution, now you can create tall, high-impact codes directly on foils, films, plastics, and coated stocks.

## Tall print array for high resolution and ultimate flexibility

Open up new possibilities for printing on your packaging. The patented cartridge provides a 12.7mm (1/2") tall print array for printing at resolutions up to four times greater than continuous ink jet technology. Coupled with the ability to drive two independent printheads with each controller, packaging professionals can now print more content where it's needed. And with linear print speeds of up to 100 meters per minute, you no longer have to compromise production throughput or the pristine look of your packaging to add high quality codes and product information.

**Multi-line code with customer facing information**

**Multi-line mixed height code with customer loyalty information**

**Large (1/2" high) line code with information on product source**

**GS1 DataMatrix code with human readable for pharmaceutical traceability**

# Keep production moving with a print solution that is ready when you are

Like it or not, flow of product through your packaging line has numerous interruptions. In addition to planned breaks, Videojet research shows that the typical packaging line experiences 10 interruptions in product flow per hour, with durations ranging anywhere from 10 seconds to 5 minutes. The last thing you want to worry about is a printer not being fully ready when the line restarts. Nor do you want to intervene at the printhead to ensure high quality printing or to avoid unreadable codes.

The 8610 virtually eliminates these concerns by combining the patented cartridge with the automated Cartridge Readiness System™ (CRS). Combining a high speed shutter mechanism, intelligent cartridge design, and smart software, the patent-pending CRS helps ensure the 8610 print system is ready when you are. The result is the ability to use fast drying solvent inks such as MEK and still achieve clean, repeatable codes time after time – regardless of the length of interruption.
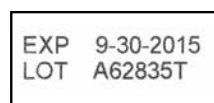
The CRS closes after a user-defined time period. A seal is then created, helping to prevent ink from drying in the nozzle array.

When product flow resumes, the CRS automatically opens, and the Videojet 8610 is ready to apply a high quality code – no printhead intervention required.
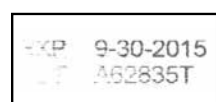
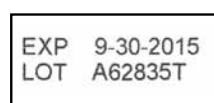| | Light solvent ink in conventional TIJ cartridge | Videojet 8610 running MEK with the CRS |
|---|---|---|
| **30 seconds between prints –** gap in product flow | EXP 9-30-2015  LOT A62835T | EXP 9-30-2015  LOT A62835T |
| **2 minutes between prints –** typical random interruption | EXP 9-30-2015  A62835T | EXP 9-30-2015  LOT A62835T |
| **20 minutes between prints –** printing interrupted for operator break | EXP 9-30-2015  LOT A62835T | EXP 9-30-2015  LOT A62835T |

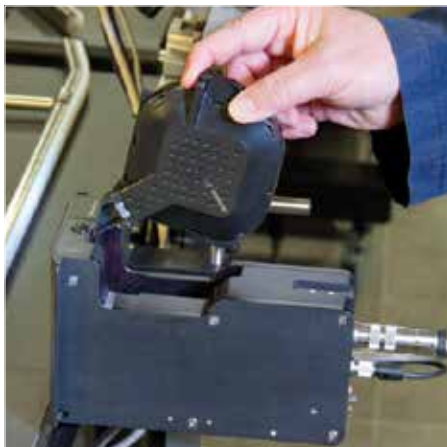# True simplicity built around your demands



## Industrial printing system with exceptional simplicity

The 8610 is arguably the simplest solvent-based printing solution available:

- No wear parts that require periodic replacement

- No preventive maintenance consumables such as filters or pumps

- No required tuning or calibration procedures

- Quick and easy cartridge change in 15 seconds or less

Other than a cartridge change to replenish ink, maintenance consists of a periodic wipe of the print array and shutter – actions that even the most novice operator can handle with the simplest of training. And with a fully sealed ink supply, there is little opportunity for mess during a cartridge change.



## Built tough to withstand the demands of your packaging line

- Controller is constructed of 304 stainless steel; employs industrial-grade quick disconnects and carriesan IP65 rating for use in washdown environments

- Printhead can mount beside or directly on your conveyor in a side or top orientation and is constructed of anodized aluminum to withstand the bumps and collisions of everyday operation

- Cartridge is specifically designed to print on packaging with the print array positioned below ink supply to make printing possible on the bottom section of your packaging

- Multiple, configurable I/O points facilitate interface to a PLC system for basic logic control such as inhibiting the conveyor if the printer is not ready

# User interface designed to simplify interaction

- Icon-based menus are easily navigated, providing simple prompts to find the function or setting you're looking for

- Fast responding, 8.4" touchscreen enables you to see key operating information at a glance

- Job files can be saved and searched using meaningful names, and a preview of the message can provide additional confidence that the right job is being selected

- An Ethernet TCP/IP port can be used for communication with upstream systems and provides the potential for automated job selection and data entry. The built-in web server provides a simple method to view the printer remotely

# Code with complete confidence

- Videojet's exclusive Code Assurance solutions simplify job selection and data entry, making it fast and easy to get the right code, in the right place, on the right product, time after time

- Easily create error-proofing rules during job set-up – such as whether or not fields can be edited, permissible data types, date range restrictions and more

- Step-by-step guided data entry uses programmable prompts to walk the operator though loading the print job

- The data entry screen limits the operator to predefined choices and provides context-sensitive inputs such as a calendar for an expiration date or a drop down list for a country code
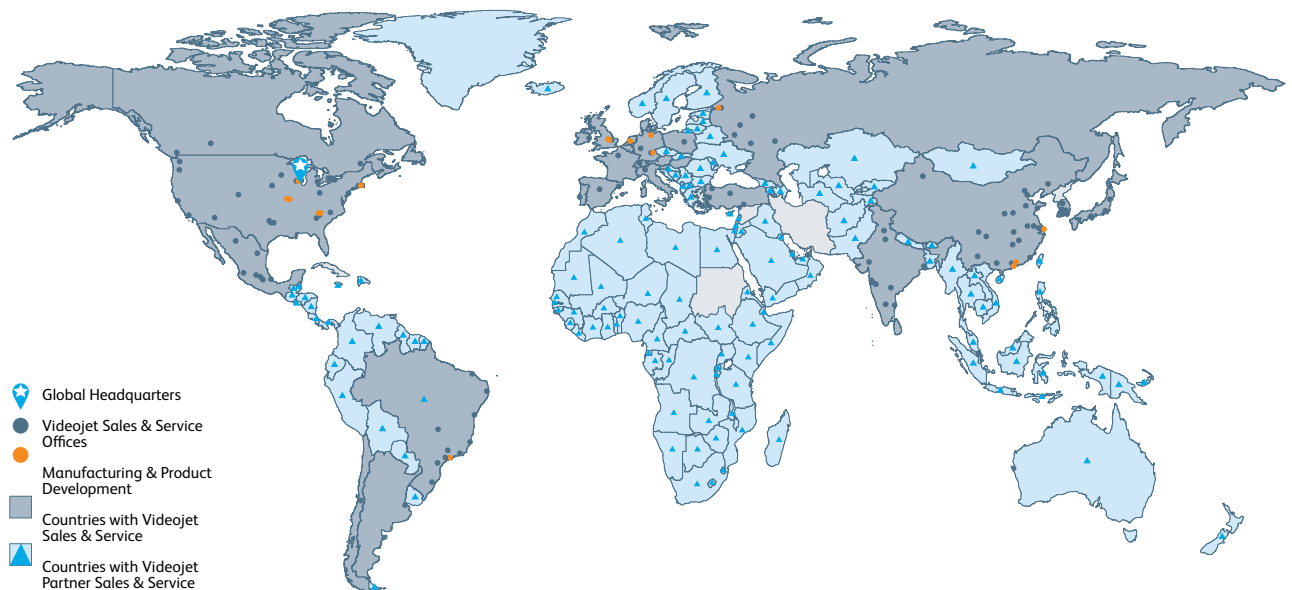
# Peace of mind comes as standard

Videojet Technologies is a world-leader in the product identification market, providing in-line printing, coding, and marking products, application specific fluids, and product life cycle services.

Our goal is to partner with our customers in the consumer packaged goods, pharmaceutical, and industrial goods industries to improve their productivity, to protect and grow their brands, and to stay ahead of industry trends and regulations. With our customer application experts and technology leadership in Continuous Ink Jet (CIJ), Thermal Ink Jet (TIJ), Laser Marking, Thermal Transfer Overprinting (TTO), case coding and labeling, and wide array printing, Videojet has more than 325,000 printers installed worldwide.

Our customers rely on Videojet products to print on over ten billion products daily. Customer sales, application, service and training support is provided by direct operations with over 3,000 team members in 26 countries worldwide. In addition, Videojet's distribution network includes more than 400 distributors and OEMs, serving 135 countries.

Global Headquarters

Videojet Sales & Service Offices

Manufacturing & Product Development

Countries with Videojet Sales & Service

Countries with Videojet Partner Sales & Service

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