Permanent code technology for Track & Trace solutions in pharmaceutical and medical device applications

More compliance, performance, flexibility, security, data handling and usability

Videojet 3340 Pharma Line CO$_2$ Laser Marking System

VIDEOJET PHARMA LINE

The 3340 Pharma Line gives the pharmaceutical and medical device industries MORE

+ MORE quality

New legislation now dictates that quality cannot be tested by a batch of product, but must be built into each stage of the manufacturing process – including coding and marking. The 3340 Pharma Line product documentation helps to enable the fulfilment of GAMP®5 compliance requirements.

+ MORE uptime

The new optimized software and hardware combination extends the lifetime of the laser and gets you to 100% uptime.

Maximum performance and extended laser source life expectancy up to 45,000 hours enables you to focus on what is really important.

High-speed variable coding and data buffering, combined with a large selection of mark windows helps to ensure the highest outputs and performance.

+ MORE flexibility

Multiple wavelength options allow you to match substrate requirements.

Integration features give you the benefit of fast installation and set-up.

Easy mechanical integration is possible even in production environments where space is a premium.

Code Assurance features minimize potential coding mistakes.

+ MORE performance

An optimized marking head control delivers higher marking speeds:

- 400+ products per minute, with 4 lines of text and a 2D code
- Throughput of up to 150,000 products per hour with simple codes

The ability to handle high-speed communication and buffering of variable code content.

Optimal power settings have been designed to reduce heat and extend the laser lifetime.

The largest marking field in the industry for increased marking speed and efficiency.

Multiple wavelengths allow the performance of best quality codes on different substrates.

+ MORE security

Laser is your best bet for minimizing the threat of counterfeiting in pharmaceutical and medical devices.

The speed, legibility and flexibility in substrate application makes the 3340 Pharma Line CO_2 laser the ideal choice of marking solution for the pharmaceutical and medical device industries.

Designed with pharmaceutical and medical devices in mind

A printer with GS1 and GAMP in its DNA

Good Automated Manufacturing Practice (GAMP) describes a set of principles and procedures that help ensure products achieve a required quality standard.

The product documentation is an important part of GAMP 5 compliance.

GS1 is an international non-profit organization setting standards for barcoding. GS1 standards are increasingly used in health systems around the world.

Videojet can provide the following documentation to pharmaceutical and medical device manufacturers to help them with their qualification process.

Installation Qualification (IQ)

The systematic verification is carried out, so that the device was correctly installed according to the specifications, as well as the complete and correct documentation being present.

Operational Qualification (OQ)

The systematic verification is carried out, so that the device fulfils the following points according to the technical specifications as well as further technical documents which describe the requirements of the device:

- The general and product-specific parameter settings are documented and correct,

- The necessary test materials / reference components for the qualification are present, and if necessary, were calibrated according to the respective instructions,

- The devices work in the various operational modes as intended,

- The operating and display elements function as planned,

- The devices react to operational failures and errors in the process as intended,

- The devices quantitatively and qualitatively achieve the required results at the installation location under the conditions there.

Videojet pedigree combined with built-in pharma DNA

Uptime advantage

Maximize printer availability with long-life, air-cooled laser sources that virtually eliminate maintenance intervals.

Code Assurance

The laser is engineered to minimize coding mistakes and ensure the right code is applied to the right package.

Simple usability

Focus more on production and less on user interaction and maintenance.

Built-in productivity

High-speed variable coding and data buffering, combined with the largest marking window in the industry increases throughput and performance.

Permanent traceability solutions

3340 Pharma Line is your shield against counterfeits

Counterfeiting is one of the big issues still keeping the pharmaceutical and medical device industries awake at night.

The lives of patients are being put at risk every day, and apart from the social responsibilities upon which a brand's reputation will be judged, there is the ongoing challenge of costly litigation associated with counterfeit drugs.

It is estimated that approximately 10%* of the world's drugs are counterfeits; but there are major variances across regions.

With multiple countries around the world creating new legislation to fight the fakers, each piece of legislation must be respected on its own merit, making time and accuracy the most precious commodity in the pharmaceutical and medical device industries.

* https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4105729/

Built-in protection

From all existing coding technologies, laser has been proven to be the best technology to counter the threat of counterfeiting.

Laser marking gives far more control than any other coding technology, enabling operators to make permanent, physical changes to the substrate:

1 **Color change** results from a chemical reaction between the laser and the substrate

2 **Melting of the surface** e.g. foaming into PET or etching into glass ensures longevity of code

3 **Ablation or removal of the surface coating** reveals alternate color underneath, enhancing readability

4 **Engraving** different plastic substrates achieves discrete marking for a more premium code presentation

Increase your marking and data handling speed

Benefit from up to 60% more speed than our predecessor lasers

With an improvement in mark speed, the Videojet 3340 Pharma Line laser marking system can mark 4 lines of variable data, plus 2D codes at 400+ products per minute. It is possible to achieve the equivalent speed and capability of a 60-watt laser at 30-watt power settings.

High-speed communication and buffering of variable code content at ISO and GS1 standards

The Videojet 3340 Pharma Line laser marking system not only codes content faster, but it can also deliver high-speed communication and buffering of variable code content and complex serialized data. The result is impressive performance, allowing more time for the system to engage with the product as well as delivering crisp legible codes.

High speed communication and buffering of variable code content

- Variable codes and serialization achievable at 400+ products per minute
- All codes in line with ISO and GS1 standards
- Supports ECC200 codes and GS1 Application Identifiers (AIs)
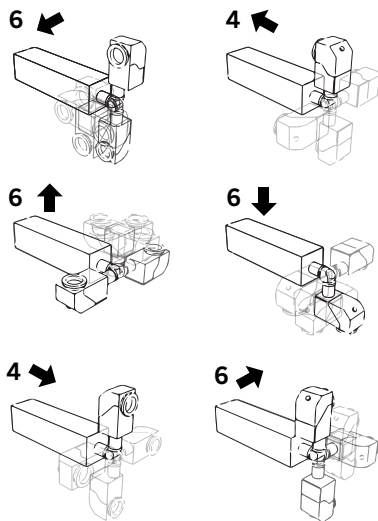
Flexibility comes as standard

Over 20,000 standard configurations enables application needs to be matched precisely

Innovation by numbers:

32 marking head positions...

6   4

6   6

4   6

+21 marking windows...

+3 wavelengths...

+2 IP ratings for marking units (IP54 and IP65)...

+3 detachable umbilical lengths...

= The most innovative laser marking system on the market.

Quick and easy integration

Integration flexibility comes as standard utilizing a detachable umbilical for smooth integration and quicker changeovers

The market leading 30-Watt CO_2 laser for high performance and ultimate flexibility

New 'quick disconnect' umbilical cable

- Now available in three lengths (3, 5 and 10m)
- Easy routing of the cable during installation
- Optimally speeds up the change-over process

Standard industrial connectors for much easier integration

- Available in both standard and IP65 rated models

CODE2 CARTON℠

Optimal coding with multiple wavelengths

Usually ablation coding means that too much or too little of the surface is taken off the packaging exterior.

This is now a thing of the past with the new 3340 Pharma Line. With multiple wavelengths - 9.3, 10.2 and 10.6 μm - precise ablation means that codes are always of the best quality grading.

In addition, Videojet offers a testing and certification service called Code2Carton in order to determine the resistance of colors under light (light fastness) and optimum marking thickness*, for cartons and different 3340 Pharma Line wavelengths.

Combine the 3340 Pharma Line with Code2Carton to help you achieve high laser code quality.

Find out more: videojet.com/code2

* This service is available in selected countries. Code2Carton is available for carton testing only.
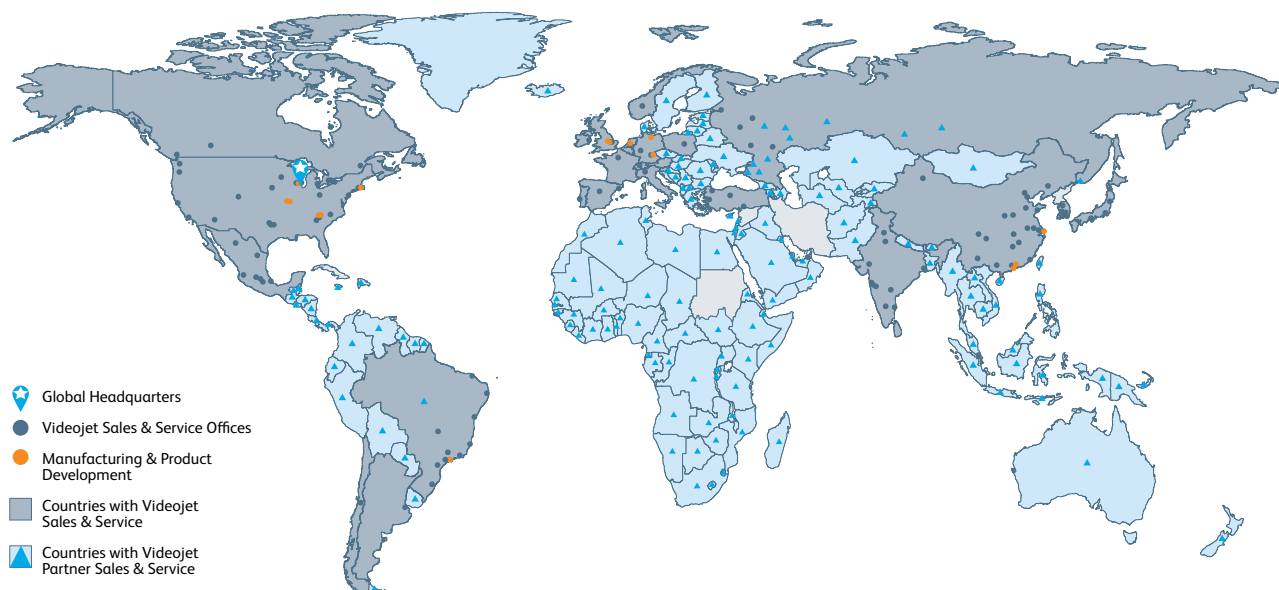
Peace of mind comes as standard

Videojet Technologies is a world leader in industrial coding and marking solutions with a dedicated global pharmaceutical team supporting organizations and supply chain partners with solutions, certifications and fast, reliable service.

A product portfolio including thermal inkjet, laser marking, continuous inkjet and labeling provides consistent, high-quality serialization and traceability codes, helping the pharmaceutical and medical device industries safeguard their products against counterfeiting and protect consumer safety. With a wide range of technologies addressing virtually any application, Videojet is the expert in realizing the specific requirements of a wide range of healthcare applications.

With decades of knowledge, Videojet Technologies' expertise in industry standards and global regulations makes them the right partner for understanding complex coding needs. Videojet solutions code 10 billion products a day worldwide, playing a vital and responsible role in the world. With over 4,000 associates serving 135 countries, Videojet has the capability to provide local service through global resources.

- Global Headquarters
- Videojet Sales & Service Offices
- Manufacturing & Product Development
- Countries with Videojet Sales & Service
- Countries with Videojet Partner Sales & Service

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