The flexible, high performance CO₂ laser solution

3130 and 3330
Laser Marking Systems
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Laser marking – specifying excellence

For crisp, high quality codes you need performance you can rely on

Your goals

100% uptime
Maximum throughput
Consistent print quality

Your reality

- Downtime when you can least afford it
- Coding systems poorly integrated into your lines
- Code legibility sacrificed to maintain line speed
- Inefficient line changeovers
Addressing your production realities

The ideal supplier...

1. Offers multiple, standard configurations to integrate with the realities of your lines.
2. Understands interaction of laser energy and your packaging materials to configure the right solution.
3. Provides solutions that improve productivity and throughput.
4. The necessary accessories for a complete solution.

Introducing the new 3130 and 3330 Lasers

- **Uptime advantage**
  - Maximize printer availability with long-life, air-cooled laser sources that virtually eliminate maintenance intervals. Available line set-up wizard minimizes planned downtime during changeovers.

- **Simple usability**
  - Over 20,000 standard configurations available to ensure a seamless fit into your packaging line.

- **Code Assurance**
  - CLARiTY Laser Controller is engineered to minimize coding mistakes and assure the right code is on the right package.

- **Built-in productivity**
  - Large selection of mark windows provides more time to mark, increasing throughput and productivity.

Integration, configuration and application expertise matter – not all lasers of a given power are the same.
Introducing the new CO₂ Laser Marking System

Designed for high performance...

- Throughput up to 100,000 products per hour
- Large selection of mark window options for increased marking speed and efficiency
- Virtually no maintenance and limited consumables
- Configured for optimal power settings, reducing heat and extending laser source life

...and flexibility

- Over 20,000 ways to configure the optimum laser solution
- Multiple wavelength options to match substrate requirements
- Integration features for fast install and set-up
- Virtually no font, code or graphics restrictions
Three standard wavelengths for broadest substrate coverage

<table>
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<th>Wavelength</th>
<th>Description</th>
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<tr>
<td>10.6μm</td>
<td>Standard consumer packaging including paperboard, cardboard, various plastics and labels, as well as wood, glass and painted metal products</td>
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<tr>
<td>10.2μm*</td>
<td>Laminated cartons typical in cosmetic and Life Sciences applications, PVC and other plastics</td>
</tr>
<tr>
<td>9.3μm</td>
<td>PET bottling, plastic labels and Biaxially Oriented Polypropylene films (BOPP)</td>
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*10.2μm only available in 30 Watt model
Quick and easy integration

New ‘quick disconnect’ umbilical cable
- Available in three lengths
- Easy routing of the cable during installation
- Speeds up line change over process

Standard industrial connectors for easier integration
Available in both standard and IP65 rated models
Line Set-Up Wizard
for faster changeovers

Greatly simplifies initial configuration and subsequent changeovers, reducing steps by 33%

- Process is displayed in a step-by-step logical sequence
- Production line elements displayed graphically to speed process and avoid errors
- Uses actual inputs from the production line to make automatic calculations
- Facilitates quick changes to laser position and code orientation

Select new laser position

Before - horizontal
After - vertical
Flexibility comes as standard

Over 20,000 standard configurations deliver the flexibility for your exact application needs.

Positioning the beam where needed

= 32 standard beam delivery options for marking head positioning

The most innovative laser system on the market

- 32 Marking head positions
- 21 Mark windows
- 3 Wavelengths
- 2 IP ratings for marking units (IP54, IP65)
- 3 Detachable umbilical lengths
- 2 Power options (10W or 30W)
The impact of coding errors

50% - 70% of coding errors are due to operator error

Internal rework
- Wasted product
- Wasted packaging
- Decreased efficiency

External – Damaged customer relations
- Supply chain disruption
- Product recalls
- Potential fines or other compensation

Effects are felt all the way from the packaging line to the retail shelf

Code editing:
It’s hard to get wrong

Uptime Advantage
Simple Usability
Code Assurance
Built-in Productivity
 availability metrics at your fingertips

Quickly get a sense if you're meeting your availability targets

Two types of availability are displayed

1. **Laser availability**
   - Tracks downtime directly related to a laser fault

2. **Operation availability**
   - Adds in procedural errors like temperature of the marking head is too high

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**Actionable data**

- **See the biggest drivers of downtime**
- **Review frequency and duration**
- **Diagnose root cause, make process improvements**

**Operation availability** will always be a lower number

- Last 30 days: 100.0% > 99.1%
- Last 90 days: 100.0% > 99.1%
- Current Month: 99.9% > 98.6%

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**Availability metrics at your fingertips**

Quickly get a sense if you're meeting your availability targets

- **Uptime Advantage**
- **Simple Usability**
- **Code Assurance**
- **Built-in Productivity**
Code more efficiently with larger mark windows

One Videojet laser with 485mm wide mark window

Two lasers using 340mm wide mark window

Larger mark windows allow certain applications to be addressed with one laser

Matching the optimum mark window to your product pitch ensures the maximum engagement time resulting in higher throughput.

With a large selection of mark window options, Videojet can more precisely match your application and help you run faster
Videojet - committed to developing advanced laser solutions since 1985

Designed for your goals. Built for your reality

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

Simple usability
Over 20,000 standard configurations available to ensure a seamless fit into your packaging line

Code Assurance
CLARiTY Laser Controller is engineered to minimize coding mistakes and assure the right code is on the right package

Built-in productivity
Large selection of mark windows provides more time to mark, increasing throughput and productivity

Beverage
PET bottles

Pharmaceutical & Cosmetics
Laminated cartons

Dairy
Discrete container & web applications

Extrusion
PVC pipe

Baked Goods & Cereals
Cartons

Electronic
Metal components