



## Professional Packaging Systems

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# Videojet 3350 CO2 Laser Marking System



## At a Glance

- 10-Watt CO2 laser marking system for moderate line speeds
- Print speeds up to 2000 characters second
- For simple and complex code requirements on a range of substrates

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

## 10-Watt CO2 Laser Marking System for Moderate Line Speeds

The Videojet 3350 30-watt laser marking system is designed for seamless automated product changeovers.

The Videojet 3350 is the ultimate solution for marking complex and high-quality codes at lightning-fast speeds in a range of industries including food, beverage, cosmetics, pharmaceutical, and extrusion.

It allows for virtually unlimited font, code, and graphic options and boasts impressive line speeds of up to 900 m/min.

## 3350 Smart Focus

An advanced 3350 Smart Focus model offers all the features of the standard 3350 and also caters to the growing demand for automation and flexibility.

Equipped with cutting-edge automatic and dynamic marking capabilities, the 3350 Smart Focus allows for seamless product changeovers without any manual intervention, thereby supporting your journey towards Industry 4.0.

## 3350 Benefits

High-speed marking capability prints up to 2,000 characters per second of text, bar codes, graphics, and other information.

High-resolution marking head delivers high-quality and permanent codes to support product traceability

and anti-counterfeiting.

Variety of lenses deliver one of the largest marking areas while options like beam turning unit options simplify integration.

Multiple marking heads and wavelengths provide the flexibility to code a wide range of materials such as plastics, wood, glass, ceramics, and coated metals.

Up to 45,000 hours of laser source life expectancy offers extended operational life, reliable performance, and reduced cost of ownership.

Air-cooled laser source helps reduce maintenance intervals and additional costs.

Wi-Fi and cellular connectivity capabilities offer advanced remote services to improve printer availability and OEE.

## 3350 Smart Focus Benefits

**Multi-level surface marking:** Mark different-sized products in the same marking field with 2.5D technology, helping to save time and more easily manage complex marking.

**Auto-adjustable focal distance:** Automatically adjust the focal distance after initial job setup without moving the laser system up and down, reducing errors and user intervention.

**Uniform flat field correction:** Maintain exceptional print quality with a uniform spot-size marking across the entire field, with no degradation at the edge.

**Pilot beam focus finder:** Validate if your laser is focused and positioned correctly, so you can speed up your setup time with the right working distance and right alignment.

**Flexible range and size mode:** Effortlessly alternate between greater focal distance range or an expanded marking field size, allowing for the completion of a diverse array of jobs.

### **Uptime Advantage**

Maximum performance and extended laser source life expectancy up to 45,000 hours through optimized total power output.

Air-cooled laser source virtually eliminates maintenance intervals.

Line set up wizard, available with optional CLARiTY Laser Controller, aids fast product changeovers, eliminating set up trial and error and minimizing planned downtime.

### **Built-In Productivity**

Large marking window offers optimally matched applications for higher throughput.

On-screen diagnostics tracks causes of downtime to help troubleshooting to get the line back up and running quickly. (optional CLARiTY Laser Controller)

### **Code Assurance**

Optional CLARiTY Laser Controller offers built-in software features that help reduce operator errors and ensure products are coded correctly.

High-quality, permanent codes help assure product traceability and tamper-proofing.

High-resolution marking head delivers consistent, crisp codes.

### **Simple Usability**

Flexible integration solution with 32 standard beam delivery options.

Quick set up via detachable umbilical cable for easy routing on the line and simple-to-use accessory connections.

5 interface options with a choice of networking communications to match preferred workflow.

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.

## Specifications

Specification	Value
Laser Tube	CO2
Maximum Power	30W
Laser Cooling	Air cooled
Maximum Print Speed	2000 characters/sec
Maximum Line Speed	900 m/min (2,940 ft/min)
Environmental Protection	IP54, 65
Beam Output	Steered beam
Laser Source Expected Life	45,000 hours
Laser Wavelength Options	10.6 µm, 10.2 µm, 9.3 µm
Focal Distance Options	64 mm (2.50 in) – 600 mm (23.62 in)
Maximum Mark Window	601 x 440 mm (23.66 x 17.32 in)
Standard I/O Connectivity	Internal terminal connections
Optional User Interface	TCS+ / Smart Graph on PC / CLARiTY Laser Controller
Umbilical	Detachable, 3 lengths
Plant Air Used	No
Certifications / Approvals	CE, TÜV/NRTL, FCC, KC, BIS Compliance (no certification required): ROHS, CDRH/FDA

## More Specifications

Marking Speed	Up to 2,000 characters/sec.
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Line Speed	Up to 15 m/sec. (49ft/sec.)
Marking Window	Approx. 30.8 x 38.2mm to 350.8 x 294.7mm
Wavelengths	10.6µm and 9.3µm
Marking Formats	Standard industrial fonts (Type 1 Windows TrueType) and Single line fonts Machine readable codes (OCR, 2D-matrix, etc.) Bar codes: BC25, BC25i, BC39, BC128, GS1-128, EAN13, UPC_A, RSS14, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omnidirectional, RSS Limited, RSS Expanded, etc. Graphics, logos, symbols, etc. Linear, circular, angular, reverse, rotate Sequential and batch numbering Automatic date, layer and time coding; real-time clock Dot mode enables marking 2D codes faster than traditional grid mode
Laser Tube	Sealed CO2 laser, power class 10-Watt
Laser Beam Deflection	Steered beam with digital high-speed galvanometer scanners
Focusing	Focal lengths: 64/ 95/ 127/ 190/ 254 mm (2.5/ 3.75/ 5.0/ 7.5/ 10.0 inches); 63.5/ 85/ 100/ 150/ 200/ 300/ 351/ 400 mm (2.50/ 3.35/ 3.94/ 5.9/ 7.87/ 11.8/ 13.8/ 15.75 inches)
Operator Interface Options	Handheld controller PC software TCS Touch Control Software CLARiTY Laser Controller Smart Graph Com
Language Capabilities (with CLARiTY Laser Controller)	Arabic, Bulgarian, Czech, Danish, English, German, Greek, Finnish, French, Hebrew, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese; interface dependent. Additional languages available with Smart Graph software
Communication	Ethernet, TCP/IP and RS232 optional Inputs for encoders and product detector triggers 16 inputs / 11 outputs for start/stop signals, machine/operator interlocks, alarm outputs; in addition to the safety circuits Customer-specific solution available
Integration	Direct integration into complex production lines via scripting interface Flexible beam delivery options (beam extension unit/ beam turning unit) Detachable umbilical for simple integration; available in 3 lengths

Electrical Requirements	100-240 VAC (autorange), ~50/60Hz, 1PH, 0.40KW
Cooling System	Air cooled
Environment	Temperature 40-105° F (5-40° C) Humidity 10%-90%, non-condensing
Sealing and Safety Standards	Supply unit: standard IP54, optional IP65 Marking Unit: IP54, optional IP65 Optional safety module provides Performance Level d (PFL-d) in accordance to EN 13849-1 IEC/EN 60825-1:2014
Weight	Supply unit: IP54/IP65 25.4lbs (11.5kg) Marking unit: IP54 28.7lbs (13kg); IP65 30.9lbs (14kg)
Applicable Certifications	CE, TÜV/NRTL, FCC Compliance (no certification required): ROHS, CDRH/FDA

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