



Professional Packaging Systems

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Videojet 3640 CO2 Laser Marking System

At a Glance

- 60-Watt CO2 laser marking system for moderate line speeds
- Print speeds up to 2100 characters second
- Three wavelength options to best match substrate requirements



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.

60-Watt CO2 Laser Marking System for Moderate to High-Speed Lines

The Videojet 3640 CO2 laser marking system delivers a mark speed up to 2,100 characters per second and 150,000 products per hour, ideal for high-speed applications.

High-speed serialization for pharmaceutical, beverage and tobacco applications. This Videojet 3640 laser coder provides unique, serialized codes providing high-quality, permanent codes help assure product traceability and tamper-proofing.

A wide marking field reduces the number of lasers required to cover multi-lane / wide web applications, processes complex codes at high speeds, reducing investment and running costs.

Three wavelength options to best match substrate requirements.

3640 Benefits

Uptime Advantage Keeps Productivity Up and Costs Down

Increase throughput with 60 watts of power, optimized for high-speed and high-volume production lines.

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

Industrial Design for High Performance

Suitable for harsh environments, where dust and humidity are a challenge and where the system is

regularly washed down.

Available with an ingress protection level of IP65.

Designed for 24/7 operation in beverage, food, pharmaceutical and tobacco line.

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.

Flexibility and Simple Usability

Compact, highest-powered laser marking system in the industry.

Easily integrate the laser marking system into production lines that have space limitations.

Largest marking field reduces the number of lasers required to cover multi-lane / wide web applications, reducing investment and running cost.

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

Specifications

Specification	Value
Laser Tube	CO2 laser, power class 60-Watt
Maximum Power	60W
Laser Cooling	Air cooled
Maximum Print Speed	2100 characters/sec
Maximum Line Speed	15 m/sec (49 ft/sec)
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 Compliance (no certification required); ROHS, CDRH/FDA

More Specifications

Marking Speed	Up to 2,000 characters/sec.
Line Speed	Up to 15 m/sec. (49ft/sec.)
Marking Window	Approx. 30.8 x 38.2mm to 610.0 x 439.8mm
Wavelengths	10.6 μm , 10.2 μm and 9.3 μm

Marking Formats	<p>Standard industrial fonts (Type 1 Windows TrueType) and Single line fonts</p> <p>Machine readable codes (OCR, 2D-matrix, etc.)</p> <p>Bar codes: BC25, BC25i, BC39, BC128, GS1-128, EAN13, UPC_A, RSS14, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omnidirectional, RSS Limited, RSS Expanded, etc.</p> <p>Graphics, logos, symbols, etc.</p> <p>Linear, circular, angular, reverse, rotate</p> <p>Sequential and batch numbering</p> <p>Automatic date, layer and time coding; real-time clock</p> <p>Dot mode enables marking 2D codes faster than traditional grid mode</p>
Laser Tube	Sealed CO2 laser, power class 10-Watt
Laser Beam Deflection	Steered beam with digital high-speed galvanometer scanners
Focusing	<p>Focal lengths: 64/ 95/ 127/ 190/ 254 mm (2.5/ 3.75/ 5.0/ 7.5/ 10.0 inches);</p> <p>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);</p> <p>100/ 150/ 200/ 300/ 351 mm (3.9/ 5.9/ 7.9/ 11.8/ 13.8 inches);</p> <p>400/ 500/ 600 mm (15.75/ 19.68/ 23.62 inches)</p>
Operator Interface Options	<p>Handheld controller</p> <p>PC software</p> <p>TCS Touch Control Software</p> <p>CLARiTY Laser Controller</p> <p>Smart Graph Com</p>
Language Capabilities (with CLARiTY Laser Controller)	<p>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.</p> <p>Additional languages available with Smart Graph software</p>
Communication	<p>Ethernet, TCP/IP and RS232 optional</p> <p>Inputs for encoders and product detector triggers</p> <p>16 inputs / 11 outputs for start/stop signals, machine/operator interlocks, alarm outputs; in addition to the safety circuits</p> <p>Customer-specific solution available</p>
Integration	<p>Direct integration into complex production lines via scripting interface</p> <p>Flexible beam delivery options (beam extension unit/ beam turning unit)</p> <p>Detachable umbilical for simple integration; available in 3 lengths</p>
Electrical Requirements	100-240 VAC (autorange), ~50/60Hz, 1PH, 1.15KW
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 58.4lbs (26.5kg); IP65 59.5lbs (27kg)
Applicable Certifications	CE, TÜV/NRTL, FCC Compliance (no certification required): ROHS, CDRH/FDA

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