



Professional Packaging Systems

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Videojet Lightfoot Fiber Laser Beverage Can Marking System



At a Glance

- Turnkey fiber laser system specifically designed for beverage canning
- Washdown without disruption with IP65 rated system
- Up to 100k cans per hour with dual Lightfoot marking heads

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.

Innovative Fiber Laser Marking Solution for High-Speed Canning

The Videojet Lightfoot laser coding system meets the demanding needs of high-speed beverage canning.

Capable of ultra-fast speeds and robustly designed for the beverage canning industry, the Videojet Lightfoot laser coding system delivers high-quality, precise laser codes in a single all-inclusive system.

Class 1 safety design keeps operators safe. Dual Lightfoot marking heads that provide maximum production with built-in redundancy.

This comprehensive Videojet system is backed VideojetConnect Remote Service, the largest application support service in the industry.

Benefits

Specifically Designed for the Canning Industry

Marking speeds up to 100,000 cans per hour.

IP69 rated marking heads and cabinet for harsh humid or sugar-laden environments.

Dual marking heads keep the line running with built in redundancy.

Complete Beverage Can Coding Solution

Sealed enclosure that blocks all optical radiation ensures operator safety.

An air knife that prevents dust build-up on the marking head exit beam.

Connect to common line integration or code management with standard industry protocols.

Maximize productivity with included VideojetConnect Remote Service.

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

Marking Fields

	Working Distance: CFS-X	X Dimension	Y Dimension
Medium (-M)	112.50	48.27	89.30

Specifications

Specification	Value
Laser System	Dual 7440 Fiber Laser
Laser Tube	Solid State Fiber
Maximum Power	2X 30W
Laser Cooling	Fan
Maximum Line Speed	100k cans/hour
Environmental Protection	IP65, IP69 (laser head)
Tunnel Width Options	300mm or 600mm
Beam Output	Steered Beam
Laser Wavelength	1.04 – 1.09 μm
Focal Distance Options	112.5 mm (4.43 in)
Standard I/O Connectivity	Product Detect, Line Encoder, Fume Extraction
Optional User Interface	TCS+, CLARiTY Laser Controller, Smart Graph
Plant Air Used	No
Certifications/Approvals	EtherNetIP DOC, ProfiNet/PNO certificate, CE

More Specifications

Marking Formats	<p>Standard fonts (Windows TrueType / TTF; PostScript / PFA, PFB; Open Type / OTF) and individual fonts, such as high-speed or OCR</p> <p>Machine-readable codes: ID-MATRIX; ECC plain; BAR CODES/ -stacked omnidirectional/ -limited [CCA/B]/ expanded</p> <p>Graphics/ graphic components, logos, symbols, etc. (dxf, jpg, ai, etc.)</p> <p>Linear, circular, angular text marking; rotation, reflection, expansion, compression of marking contents</p> <p>Sequence and serial numbering; Automatic date, layer and time coding, real-time clock</p> <p>Online coding of individual data (weight, contents, etc.)</p>
Laser Source	<p>Ytterbium (Yb) pulsed fiber laser</p> <p>Power class 30 Watt</p> <p>Central emission wavelength: 1,040 - 1,090nm (1.04 - 1.09µm)</p>
Laser Beam Deflection	Digital high-speed galvanometer scan
Laser Beam Orientation	Straight-out (CFS-x)
User Interfaces	<p>TCS+ browser-based free-form onboard editor</p> <p>Smart Graph software for PC; configurable in 20 languages (option)</p> <p>CLARiTY</p>
TCS+	<p>Browser-enabled software for intuitive creation of complex jobs on standard web browser compatible devices</p> <p>Dual laser configuration uses leader/follower pattern with single integrated software control</p> <p>Support for 27 languages</p> <p>Full user access control and role definition</p> <p>Event log for history of user interactions</p> <p>Graphical guided line setup wizard</p> <p>Easy system and parameter configuration</p> <p>WYSIWYG editor</p>
Integration	<p>Direct integration into complex production lines through the laser's scripting interface</p> <p>Integration via Ethernet and RS232 interface</p> <p>Highly precise side guided height adjustment via dovetail joint or 38mm tube</p>
Communication	<p>Ethernet (TCP/IP, 100Mbit LAN), EtherNetIPTM, ProfiNet, RS232, digital I/Os</p> <p>Inputs for encoders and product detector triggers</p> <p>I/Os for start, stop, external error, job select, trigger, trigger enable, encoder; system ready, ready to mark, marking, shutter closed, error, bad, good signals and machine/ operator interlocks</p> <p>Customer-specific solutions</p>

Electrical Requirements	100 - 240 VAC (autorange), 360 VA, 1 PH, 50/60 Hz
Environmental Protection	Supply unit: IP65, air cooled Laser head: IP69, air cooled
Temperature / Humidity Range	5 - 40° C (40 - 105° F)/ 10 - 90 % Non-condensing
Weight	Beam shield tunnel: 300 - 148.2kg / 326.7lbs Beam shield tunnel: 600 - 230.6kg / 508.4lbs IP65 Enclosure: 78.8kg / 173.7lbs Marking head enclosure: 14.2kg / 31.3lbs Mounting stand, blower unit: 3.2kg / 7.1lbs
Applicable Certifications	EtherNetIP DOC, ProfiNet/PNO certificate, CE, TÜV/NRTL, FCC Compliance (no certification required): ROHS, CFRH/FDA

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