



## Professional Packaging Systems

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## Contact

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# Videojet 7340 & 7440 Fiber Laser Marking Systems



## At a Glance

- Smallest and lightest marking head
- IP69-rated for use in washdown and harsh environments
- Virtually no consumables
- For demanding production schedules in parts marking, food, beverage, consumer packaged goods, pharmaceutical, and cosmetics industries

## 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.

## Fiber Laser Marking in Small Spaces

The Videojet 7340 and 7440 fiber lasers feature the incredibly compact Lightfoot marking head to meet the needs of manufacturers who work within small spaces.

The Videojet 7340 and 7440 fiber laser marking head that weighs less than 1kg / 2.2 lbs. Compact in size, the 7340 and 7440 fiber laser marking head can be easily integrated into production lines or complex machinery, allowing for an increased range of laser installation opportunities.

This Videojet fiber laser system is fast to set up. The laser head's simple mounting bracketry offers fast set-up, easy adjustment and repositioning.

## Precise Integration and Simple Operation

Featuring a pilot beam-based focal alignment installation process, the Videojet 7340 and 7440 provide easier, faster and more precise installation. Control the 7340 and 7440 fiber lasers through a range of familiar, easy-to-use Videojet interfaces, ensuring seamless operation within your production line.

Videojet Touch Control Software (TCS+) offers remote control through either the 10" tablet-like touchscreen or from compatible browser-based devices. The advanced Videojet CLARiTY laser controller features an intuitive touchscreen that will be familiar to users of other Videojet marking and coding solutions.

# Benefits

## Uptime Advantage

Simple integration, reduced installation costs, and increased freedom of positioning with a compact fiber laser marking head.

Laser head adjustment and positioning with reduced laser head mounting bracketry.

Migrate to a laser marking solution, with the added benefit of reduced consumables.

Water and dust tight IP69 laser marking head for washdown and harsh environments.

## Code Assurance

Range of familiar, easy-to-use user interfaces, reducing operator training and risk of product rework and recalls.

Simple operation, message creation, and reduced operator errors with the Videojet Touch Control Software (TCS+) or the Videojet CLARiTY laser controller.

## Built-in Productivity

Mark up to 2,000 characters per second.

Get close to the product with the small fiber laser marking head.

Easier, faster and precise focal distance during line or product changeover with pilot beam-based focal alignment installation process.

## Simple Usability

Easy set-up and fast product changeovers with the integrated pilot beam focus finder that reflects the code and actual size of the marking field.

Easy serviceability with quick removal or replacement of the fiber laser unit on the production line.

Easy-to-use laser solution that is intuitive to the operator without the need for additional training.

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

# Marking Fields

	Working Distance (CFS-X)	Working Distance (CFT-X)	X Distance	Y Distance
Small (-S)	72.00	89.00	37.01	63.58
Medium (-M)	112.50	129.50	48.27	89.30
Large (-L)	171.00	188.00	64.46	126.30

## Specifications

Specification	7340	7440
Laser Tube	Solid state fiber	Solid state fiber
Maximum Power	20W	30W
Laser Cooling	Fan	Fan
Maximum Line Speed	900 m/min (2,940 ft/min)	900 m/min (2,940 ft/min)
Environmental Protection	IP21, IP69 (laser head)	IP21, IP69 (laser head)
Beam Output	Steered beam	Steered beam
Laser Wavelength Options	1.04 – 1.09µm	1.04 – 1.09µm
Focal Distance Options	72 – 188 mm (2.83 – 7.4 in)	72 – 188 mm (2.83 – 7.4 in)
Maximum Mark Window	126.3 x 64.46 mm (4.97 x 2.53 in)	126.3 x 64.46 mm (4.97 x 2.53 in)
Standard I/O Connectivity	Product Detect, Line Encoder, Fume Extraction	Product Detect, Line Encoder, Fume Extraction
Optional User Interface	PC, CLARiTY Laser Controller, TCS+, Smart Graph Com	PC, CLARiTY Laser Controller, TCS+, Smart Graph Com
Plant Air Used	No	No
Certifications / Approvals	EtherNetIP DOC, ProfiNet/PNO certificate, CE	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 classes 10 and 20 Watt</p> <p>Central emission wavelength: 1,055 - 1,075nm (1.055 - 1.075µm)</p>
Laser Beam Deflection	Digital high-speed galvanometer scan
Laser Beam Orientation	Straight-out (CFS-x) and 90-degree (CFT-x) options
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>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>
Smart Graph Software	<p>Graphics-orientated user interface under Windows for the intuitive and fast preparation of complete marking jobs on PCs</p> <p>System configuration</p> <p>Text/ data/ graphics/ parameter editor</p> <p>Configurable in 20 languages, e.g. in German, English, Japanese</p> <p>Easy access to standard CAD and graphics programs thanks to import functions for the most important file formats (dxf, jpg, ai, etc.)</p> <p>WYSIWYG</p> <p>Various password-protected security levels</p>

Smart Graph      Graphic-orientated user interface for Windows  
 Software          Text / data / graphics / parameter editor  
                       Configurable in 20 languages, e.g. in German, English, Japanese  
                       Easy import functions for the most important file formats (dxf, jpg, ai, etc.)

Communication    Ethernet (TCP/IP, 100Mbit LAN), RS232, digital I/Os  
                       Inputs for encoders and product detector triggers  
                       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  
                       Customer-specific solutions

Integration        Direct integration into complex production lines through the laser's scripting interface  
                       Integration via Ethernet and RS232 interface  
                       Highly precise side guided height adjustment via dovetail joint or 38mm tube

Electrical  
 Requirements     100 - 240 V (autorange), 360 VA, 1 PH, 50/60 Hz

Environmental  
 Protection        Supply unit: IP21, air cooled  
                       Laser head: IP65, IP69, air cooled

Temperature /  
 Humidity Range   5 - 40° C (40 - 105° F) / 10 - 90 %, non-condensing

Weight            Supply unit 3m supply line – 23kg / 50.7 lbs  
                       Supply unit 10m supply line – 27kg / 59.5 lbs  
                       Marking unit CFT – 0.64kg / 1.4 lbs  
                       Marking unit CFS – 0.61kg / 1.3 lbs

Applicable  
 Certifications    EtherNetIP DOC, ProfiNet/PNO certificate, CE, TÜV/NRTL, FCC  
                       Compliance (no certification required): ROHS, CFRH/FDA

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