



Professional Packaging Systems

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Videojet 7230 & 7330 Fiber Laser Marking Systems



At a Glance

- Light, compact, and adaptable laser marking machine
- High-speed marking complex data, easy operation, excellent integration capabilities
- For demanding production schedules in parts marking, food, beverage, consumer packaged goods and pharmaceutical 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.

High-Speed Complex Marking on High-Density Materials

Videojet 7230 and 7330 Fiber Laser marking systems meet the needs of manufacturers with robust, high-density materials. These versatile fiber lasers offer high-speed marking, with complex data, easy operability and excellent integration capabilities.

The 7230 and 7330 Fiber Laser marking systems enhance productivity by marking more products and codes, faster with a combination of improved data processing and marking speeds of up to 2,000 characters per second (speed based on 6mm marking head and substrate dependant).

Available with optional 6mm and 10mm marking heads, covering a wide variety of marking and coding operations.

Versatile Simple Integration and Operation

Achieve easy integration and greater versatility in tight spaces with a combined laser head and controller weight of less than 25kg.

A variety of user interfaces to control the Videojet 7230 and 7330 Fiber Laser marking system provide simple operation and message creation, with a familiar look and feel touchscreen interface to help reduce user errors in production lines.

Videojet Touch Control Software (TCS+) offers flexible integration, simple operation and remote laser control through either the Videojet TU430 10.1" color touchscreen interface or from any browser-based

device.

The advanced Videojet CLARiTY laser controller features an intuitive color touchscreen for simple operation and continuous improvement in uptime and productivity.

Benefits

Uptime Advantage

Long-life laser source expectancy up to 100,000 hours mean time before failure (MTBF).

Air-cooled laser source that nearly eliminates maintenance intervals.

No wear parts minimize downtime.

Simple Usability

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

Familiar look and feel user interfaces offers simple operation and message creation.

Variety of user interfaces to control Videojet laser marking systems.

Built-in Productivity

Improve marking productivity with both the large marking window and 2000 characters per second marking speeds.(6mm marking head)

Standard and customizable communication protocols.

Achieve top speeds with serialization data and complex codes with fast data processing capabilities.

Easy Integration

Versatility in tight spaces with a compact, lightweight 6mm marking head weighing only 4.4kg.

Integrate the 7230 or 7330 fiber laser into your production line with EtherNet / IP and ProfiNet.

Flexible integration with working distance options and orientation of either a straight or 90 degree marking head.

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

Marking Fields

	6mm Marking Head SHF60A				10mm Marking Head SHF100A			
Focal Length	50	100	165	258	100	163	254	420
Max Height/mm	19.5	70.2	115.4	180.5	75.8	142.2	215.5	361.5
Max Width/mm	26	70.2	115.4	180.5	118.7	193.5	301.5	498.5

Specifications

Specification	7230	7330
Laser Tube	Solid state fiber	Solid state fiber
Maximum Power	10W	20W
Laser Cooling	Fan	Fan
Maximum Line Speed	900 m/min (2,940 ft/min)	900 m/min (2,940 ft/min)
Environmental Protection	IP21, IP54 (laser head)	IP21, IP54 (laser head)
Beam Output	Steered beam	Steered beam
Laser Source Expected Life	>100,000 hours	>100,000 hours
Laser Wavelength Options	1.055 – 1.075 μ m	1.055 – 1.075 μ m
Focal Distance Options	50 mm (1.96 in) – 420 mm (16.53 in)	50 mm (1.96 in) – 420 mm (16.53 in)
Maximum Mark Window	498.5 x 361.5 mm (19.62 x 14.23 in)	498.5 x 361.5 mm (19.62 x 14.23 in)
Standard I/O Connectivity	Product Detect, Line Encoder, Fume Extraction	Product Detect, Line Encoder, Fume Extraction
Standard User Interface	Touch panel (TU430)	Touch panel (TU430)
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	CE	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	90-degree (standard) and straight-out (option)
Focusing (precision optics)	<p>Focal lengths 6mm marking head: f = 50/ 100/ 165/ 258mm</p> <p>Focal lengths 10mm marking head: f = 100/ 163/ 254/ 420mm</p>
User Interfaces	<p>Integrated keypad</p> <p>Handheld control unit; configurable in 16 languages (option)</p> <p>Smart Graph software on PC; configurable in 20 languages (option)</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 Com Software	ActiveX software interface for integration into operation software

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
Electrical Requirements	100 - 240 V (autorange), 200 VA, 1 PH, 50/60 Hz
Environmental Protection	Supply unit: IP21, air cooled Laser head: IP54, air cooled
Temperature / Humidity Range	5 - 40° C (40 - 105° F) / 10 - 90 %, non-condensing
Weight	Supply unit - 18.5kg / 40.8 lbs Marking unit 6mm - 4.4kg / 9.7 lbs Marking unit 10mm - 5.4kg / 11.9 lbs
Applicable Certifications	CE, TÜV/NRTL, FCC Compliance (no certification required): ROHS, CFRH/FDA

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