

High-speed 50-watt, flexible steered beam laser

- **Exceptional code quality at high print speeds (up to 2,000 characters/sec.)**
- **Simple integration into almost any production line with an articulated arm and small remote head**
- **Lower maintenance and higher throughput, even in harsh manufacturing environments**

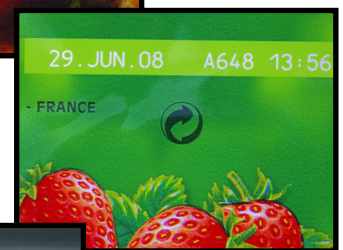
The Videojet 3430 laser marking system provides best-in-class marking speeds and maximum production throughput with 50 watts of power. For example, PET bottles or labels can be coded at 72,000 per hour with marking speeds up to 2,000 characters per second, meeting the beverage industry's demand for high throughput. And the Videojet 3430 system can also handle more demanding logo and graphics content, easily marking rubber, plastic and wood extrusions with high quality, permanent codes.

With an articulated arm and a small scanning head, the Videojet 3430 easily integrates into tight machinery and production lines. In the optional horizontal configuration, it can even be mounted above the machine – requiring no floor space. The Videojet 3430 is mobile, delivering production flexibility and increasing return on investment with the ability to code product in one location this week, then quickly and easily relocate the printer and set up coding on another production line the following week.

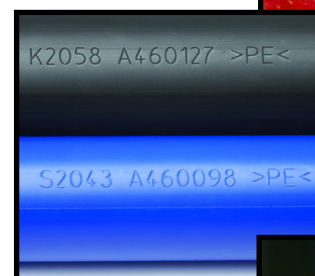
With the robustness to handle even severe manufacturing environments, the Videojet 3430 laser marking system is rugged and reliable. Its stainless steel enclosure is wash down rated (IP65) and its cooling system is completely self-contained, protecting the key components of laser operation and decreasing maintenance requirements.



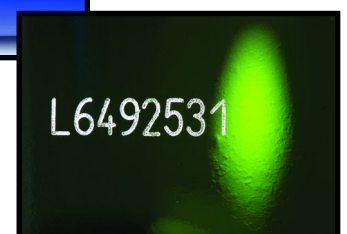
**Packaging:
Gable Top**



**Packaging:
Multi Layer Foil**

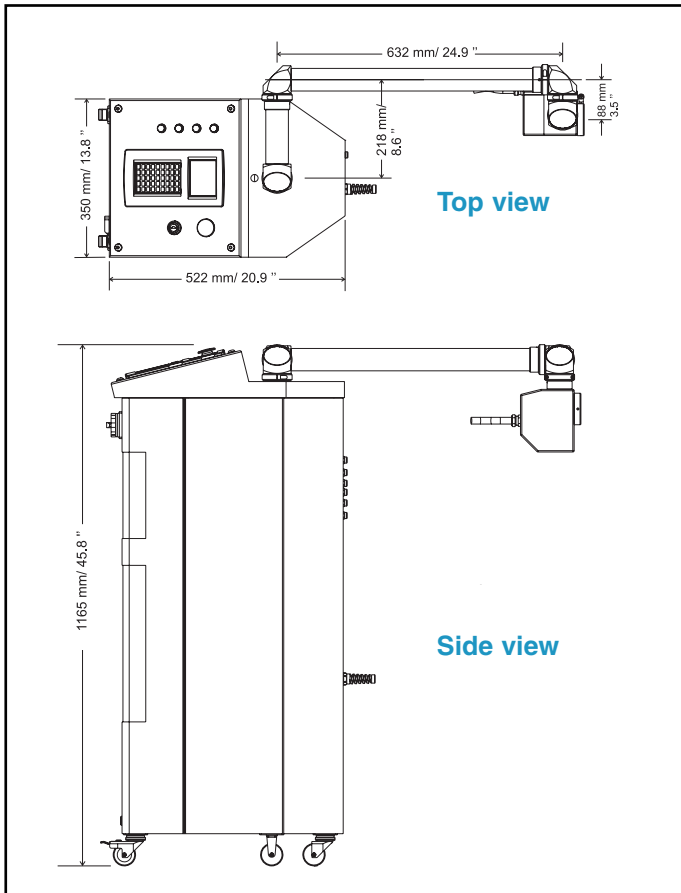


**Extrusion:
Plastic (PE) Tube**



**Food/ Beverage:
Glass Bottle**

Dimensions



MARKING FEATURES

Marking Speed

- Up to 2,000 characters/sec. (application dependent)

Line Speed

- Up to 50 feet/sec. (15 m/sec.) (application dependent)

Marking Field

- Stationary products: max. approx. 3.4 x 3.5 inches² (84.4x87.3mm²) with 125mm lens; 5.4 x 5.6 inches² (135x139.6mm²) with 200mm lens; unlimited number of lines
- Moving products: max. height approx. 3.5 inches (87.3mm) with 125mm lens; 5.6 inches (139.6mm) with 200mm lens; length does not depend on width of marking field; unlimited number of lines

Marking Formats

- Standard fonts (Windows® TrueType®/TF; PostScript®/ PFA, PFB; Open Type®/ OTF)
- Individual fonts, such as high-speed or OCR
- Machine-readable codes: ID-Matrix (ECC100, 140, 200: 10x10 to 144x144 for square formats, 8x18 to 16x48 for non-square formats; ECC plain [free config. ECC code]); barcodes (EAN13/128; BC25/25i/39/39E/128; UPC_A; RSS14 truncated/ -stacked [CCA/B]/ -stacked omnidirectional/ -limited [CCA/B]/ expanded)
- Graphics and graphic components, logos, symbols, etc. (DXF, JPG, AI, etc.)

Specifications

- Linear, circular, angular text marking; rotation, reflection, expansion, compression of marking content
- Sequential and batch numbering
- Automatic date, time, shift coding, real-time clock
- On-line coding of individual data (weight, contents, etc.)

LASER

Laser Tube

- Single sealed CO₂ laser, power class 50W

Laser beam deflection

- Digital high-speed galvanometer scanner

Focusing

- Precision lens system
- Precision optics: focal lengths 4.92/7.87 inches (125/200 mm)

INTEGRATED INTERFACE

- Graphic remote control via Ethernet for flexible operation
- Preparation of marking jobs, marking data entry
- System configuration
- Status and alarm display; key switch and e-stop switch
- Excellent legibility of graphic display; fast, intuitive operation

SOFTWARE

Smart Graph

- Graphical user interface under Windows® 2000/XP for intuitive and quick generation of complete marking jobs on external PCs
- System configuration
- Full feature text/data/graphics/parameter editor
- Languages: German, English, Chinese, Japanese, Russian, Arabic and many others; freely selectable
- Easy access to standard CAD and graphics programs by convenient import functions
- WYSIWYG
- Multiple security levels with configurable user rights, password protected

Smart Graph Com

- ActiveX software interface for integration into operating software

Communication

- Ethernet, TCP/IP; optional RS232
- Shaft encoder and product detector inputs
- 3 inputs/ 7 outputs for start/ stop signals, machine/ operator interlocks, alarm outputs; with additional I/Os extensible
- Customer-specific solutions

Integration

- Direct integration into complex production lines via the laser's scripting interface
- Integration via Ethernet (TCP and UDP) and RS232 interface
- Flexible integration options via articulated arm

UTILITIES

Electrical Requirements

- 100-120V or 200-240V, 47-63 Hz, 1PH, 1.8kVA

Cooling System

- Integral closed loop (water to air)

Environment

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

Sealing and Safety Standards

- IP65, LASER CLASS 4 product

Weight

- 297 lbs. (135 kg)



according to DIN EN 60825-1;10/2003

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE
TO DIRECT OR SCATTERED
RADIATION
LASER CLASS 4

CE - conform



800-843-3610 • www.videojet.com • info@videojet.com

Videojet Technologies Inc. • 1500 Mittel Boulevard

Wood Dale IL • 60191-1073 • USA

Phone: 630-860-7300 • Fax: 630-616-3623

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