

Videojet® 3430

Laser Marking System

Laser.

Ink Jet.

Thermal Transfer.

Labelers.

Track & Trace.

Supplies.

Parts & Service.



The Videojet 3430 laser marking system provides best-in-class marking speeds and maximum production throughput with 50 watts of power. With the robustness to handle even severe manufacturing environments, this laser marker is rugged and reliable. The Videojet 3430 is well-suited for applications in the wire and cable, packaging and bottling industries.

Exceptional code quality at high print speeds

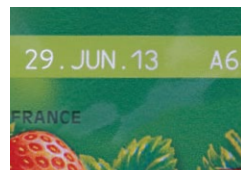
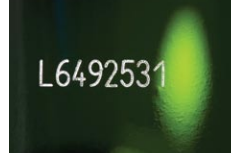
- Speeds up to 2,000 characters per second and 49 feet per second (15 m/sec.)
- Steered beam technology delivers high quality “continuous” codes, even at high speeds
- Easily handles more demanding logo and graphics content

Easy operation and maintenance

- Handheld or external PC control options
- Internal fan and water cooling system combined with IP65 cabinet rating provides high uptime and low maintenance, even in dirty, dusty and wet environments

Easy integration

- Single-cabinet design with articulated arm can be easily moved and set up for maximum application flexibility
- Ideal for short runs at contract packaging companies
- Simple integration into almost any production line



Marking Speed

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

Line Speed

Up to 49 feet/sec. (15 m/sec.) (application dependent)

Marking Field

Stationary products: max. approx. 3.4 x 3.5 inches² (84.4x87.3 mm²) with 125 mm lens; 5.4 x 5.6 inches² (135x139.6 mm²) with 200mm lens; unlimited number of lines

Moving products: max. height approx. 3.5 inches (87.3 mm) with 125 mm lens; 5.6 inches (139.6 mm) with 200 mm 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.)

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.)

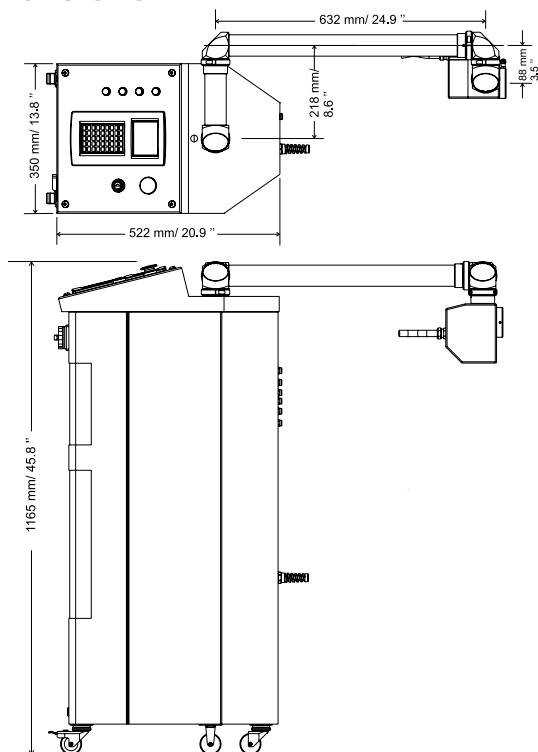
Laser Tube

Single sealed CO2 laser, power class 50-Watt

Beam Deflection

Digital high-speed galvanometer scanners

Dimensions



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

Smart Graph Software

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

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 Software

ActiveX software interface for integration into operating software

Language Capabilities

German, English, Chinese, Japanese, Russian, Arabic and many others; freely selectable

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 interface

Integration via Ethernet (TCP and UDP) and RS232 interface

Flexible integration options via articulated arm

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 (acc. to DIN EN 60825-1; 05/2008)

Approximate Weight

297 lbs. (135 kg)

Applicable Certifications

CE



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