LASER MARKING SYSTEMS

Videojet 3430 Laser Marking System

- Exceptional code quality at high speeds

- Easily integrated into any production line

- Very low maintenance even in harsh environments

Identify with Videojet, world leaders in coding and marking solutions.

For more information please call +44 (0)870 240 5542,

or visit our website – www.videojet.co.uk

FSC
Mixed Sources
Product group from well-managed
forests, controlled sources and
recycled wood or fiber

Any application

The Videojet 3430 is ideally suited for applications demanding fast and flexible data transfer and marking processes, such as beverage, brewing, food, packaging and extrusion applications. Moderate-speed lines, such as those in the personal care products, pharmaceuticals and industrial component industries, will also benefit from the superior speed and resolution of the Videojet 3430 laser.

Leading speed and print performance

The Videojet 3430 laser marking system provides best-in-class marking speeds and maximum production throughput with 50 watts of power. With marking speeds up to 2,000 characters per second and production line speeds of up to 15 m/s the Videojet 3430 meets even the beverage industry's demand for high throughput. And the Videojet 3430 system marks more information at high speed: multi-line text, machine-readable codes, graphics or logos – the Videojet 3430 will mark permanent and consistent codes on a large variety of materials.

Easy integration

With its 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 week after.

Extraordinary flexibility

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. For easy and quick setup, the Videojet 3430 can be operated either through its integrated user interface, a PC with graphical user interface SmartGraph or completely controlled by a PLC/inline control.

VIDEOJET 3430 Laser Marking System

Print Specifications
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.) 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 CO_2 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
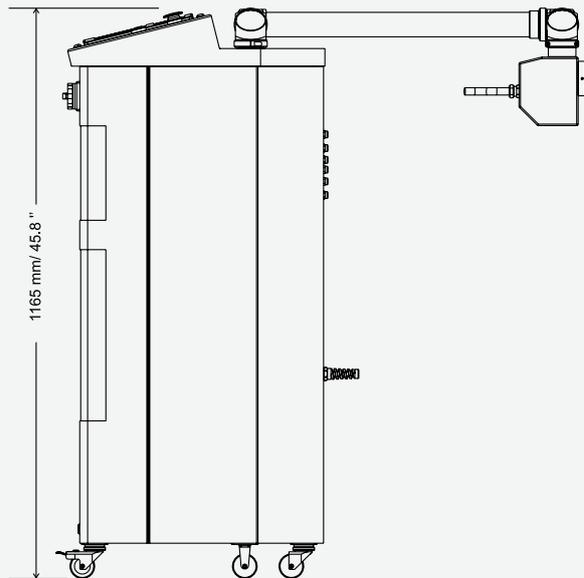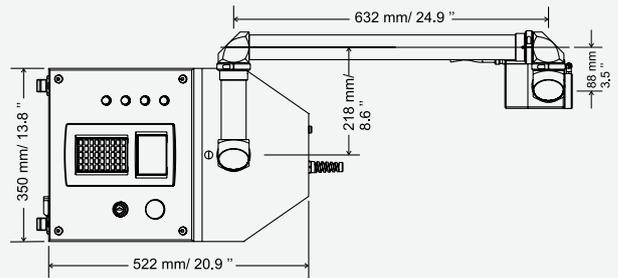
Utilities

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)

Complete Customer Care

At Videojet we offer you a world leading after sales service. You have the opportunity to take maximum advantage of the full Videojet bundle of products and services to obtain superior product marking and coding with maximum equipment uptime.
Our families of green, environmentally friendly fluids, have been helping customers meet and exceed their expectations and objectives for years. We can also provide inks with fewer or no volatile organic compounds (VOCs) enforcing our commitment to a greener code.

CERTIFIED
ISO 9001
DOCUMENTED QUALITY

CE   UL LISTED   CSA   TÜV PRODUCT SERVICE   GS

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