Videojet® 3120

Laser Marking System

Laser.

Ink Jet.

Thermal Transfer.

Labelers.

Track & Trace.

Supplies.

Parts & Service.

The Videojet 3120 laser marking system is an easy-to-use, flexible to integrate 10-Watt CO2 laser marker. This compact, flexible system provides permanent, high quality codes with low maintenance and operating costs. The Videojet 3120 is well-suited for marking pharmaceutical boxes, paper, cardboard and carton packages, PET containers, electronic/semiconductor devices, automotive parts and extruded products.

Superior speed and quality

- Fastest 10-Watt laser marking system in its class
- Speeds up to 1,200 characters per second and 33 feet per second (10 m/sec.)
- Steered beam technology delivers consistently high quality, permanent marking with no degradation of print, even on high volume production lines

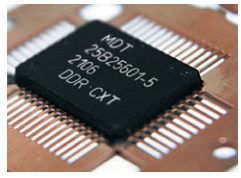
Complex marks

- Multi-line text and machine readable codes
- Unlimited font, graphics and format flexibility
- Mark expiration and manufacture dates, ticket numbers, line codes, ID matrix and bar codes, serial numbers, batch and lot codes, contents and weight specifications

Easy integration

- Compact design, variety of lenses and beam expanders
- Flexible user interface
- Small footprint

VIDEOJET
Uptime Peace of Mind®



Marking Speed
Up to 1,200 characters/sec. (application dependent)

Line Speed
Up to 33 feet/sec. (10 m/sec.) (application dependent)

Marking Field
Stationary products: approx. 44x44 mm to 177x177 mm (standard) or 226x325 mm (optional); unlimited number of lines
Moving products: height approx. 44 to 177mm (standard) or 325 mm (optional); length does not depend on width of marking field; unlimited number of lines

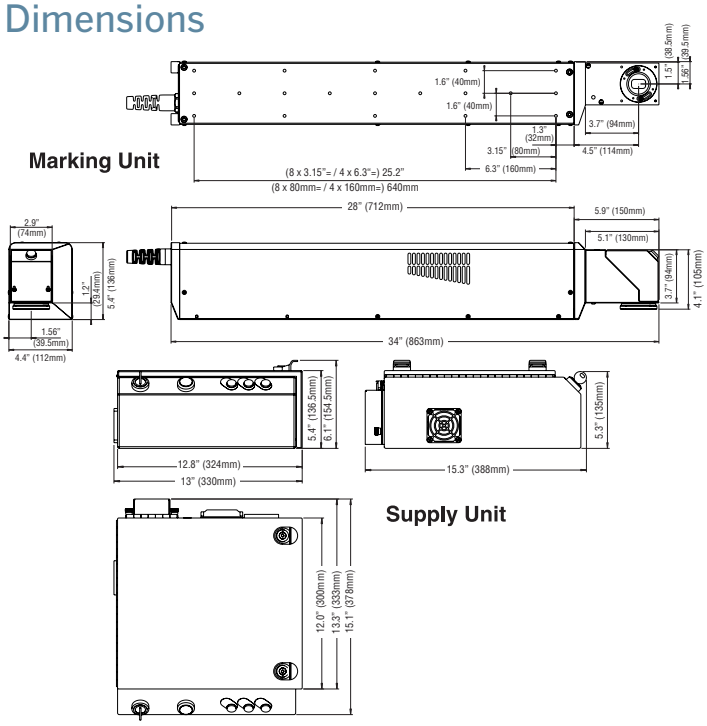
Marking Formats
Standard fonts (Windows® TrueType®/TTF; PostScript®/ PFA, PFB; Open Type®/ OTF)
Individual fonts, such as high-speed or OCR
Machine-readable codes: ID-Matrix (ECC100, 140, 200: 10x10 to 144x144 for square formats, 8x18 to 16x48 for non-square formats; ECC plain [free config. ECC code]); bar codes(BC25/25i/39/39E/128; EAN13/128; UPC_A; RSS14 truncated/ -stacked [CCA/B]/ -stacked omnidirectional/ -limited [CCA/B]/ expanded)
Graphics and graphic components, logos, symbols, etc.
Linear, circular, angular text marking; rotation, reflection, expansion, compression of marking content
Sequence and serial numbering
Automatic date, layer and time coding; real-time clock
On-line coding of individual data (weight, contents, etc.)

Laser Tube
Single sealed CO2 laser, power class 10W

Beam Deflection
Steered beam with digital high-speed galvanometer scanners

Focusing
Precision lens system
Standard focal lengths: 64/ 95/ 127/ 190/ 254 mm (2.5/ 3.75/ 5.0/ 7.5/ 10.0 inches); optional focal lengths 63.5/ 85/ 100/ 150/ 200/ 300/ 351/ 400 mm (2.50/ 3.35/ 3.94/ 5.9/ 7.87/ 11.8/ 13.8/ 15.75 inches)

Dimensions



Handheld Controller
Graphic remote control via Ethernet for flexible operation
Preparation of marking jobs, marking data entry
System configuration
Status and alarm display
Excellent legibility of graphic display; fast, intuitive operation

Smart Graph Software
Graphics-orientated user interface under Windows® 2000/XP for the intuitive and fast preparation of complete marking jobs on PCs
System configuration
Text / data / graphics / parameter editor
Easy access to standard CAD and graphics programs with import functions for the most important file formats
WYSIWYG
Various password-protected security levels

Smart Graph Com Software
ActiveX software interface for integration into operating software

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

Communication
Ethernet, TCP/IP; optionally RS232
Inputs for encoders and product detector triggers
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 scripting interface
Integration via Ethernet (TCP and UDP) and RS232 interface
Flexible beam delivery options (beam unit/ beam turning unit)

Electrical Requirements
100-240 VAC (autorange), ~50/60Hz, 1PH, 0.40kW

Cooling System
Air cooled

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

Safety Standards
ILASER CLASS 4 product (acc. to DIN EN 60825-1: 05/2008)

Sealing Option
IP65

Approximate Weight
57 lbs. (26 kg)

Applicable Certifications
CE, ROHS, CSA, UL, TÜV

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Part No. SL000432
3120-0513
Printed in U.S.A.