

# 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

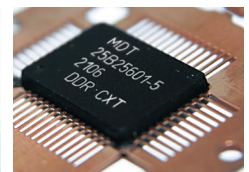
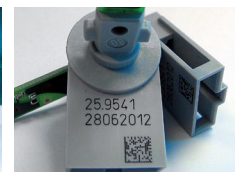
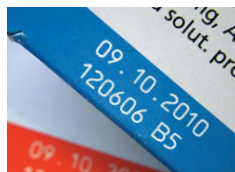
## Complex marks

- 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**

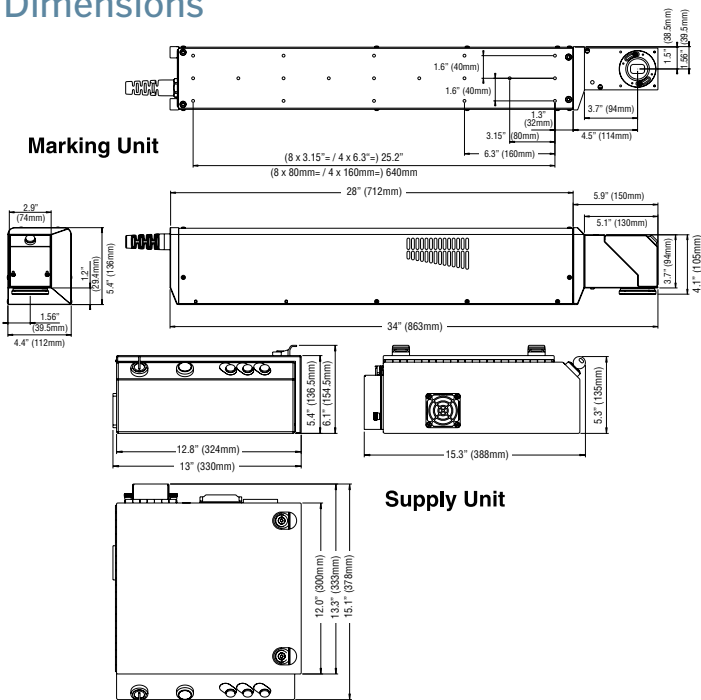
Steered beam with digital high-speed galvanometer scanners

**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

**Sealing and Safety Standards**

IP54S, optional IP65; LASER CLASS 4 product

**Approximate Weight**

57 lbs. (26 kg)



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