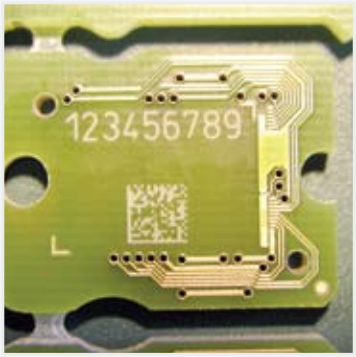
LASER MARKING SYSTEMS

VIDEOJET 3120 Laser Marking System

- Market leading speed and reliability
- Built to handle tough environments with low maintenance
- Ability to mark complex codes



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

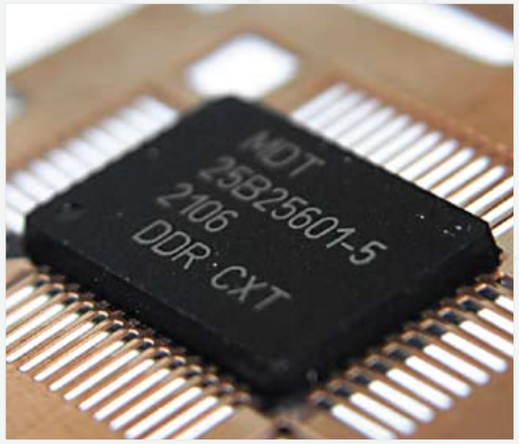
FSC Mixed Sources
Product group from well-managed forests, controlled sources and recycled wood or fiber

Speed without loss of quality

With a marking speed of up to 1,200 characters per second and a line speed up to 10 meters per second (depending on the application), the Videojet 3120 is the fastest 10 WATT laser in its class. It is capable of outstanding high quality, multi-line codes, even on high volume production lines.

Easy integration

A compact design and flexible standard components ensure fast and simple integration. For installation in conditions where space is tight, the laser head of the Videojet 3120 can be positioned using beam deflectors. This means that even extremely complicated marking tasks can be carried out. Laser beams can be emitted at an angle of 0 degrees (i.e. straight) or even 90 degrees. There is also a wide selection of lenses and flexible user interfaces available.



High level of versatility

The 3120 laser marks complex, multi-line alphanumeric messages, foreign language fonts, graphics, symbols and machine-readable codes. Information such as expiration and manufacture dates, ticket numbers, line codes or content and weight specifications are also quickly and easily marked.
Additionally, the compact design and flexible standard components ensure fast and simple integration. To fit into tight spaces, this laser's head can be detached and positioned for even the most intricate marking jobs, and is capable of 0-degree (straight out) or 90-degree laser output.

Printing on a wide variety of materials

Our 3120 laser will mark on a wide range of materials, including special pharmaceutical boxes, paper, cardboard and carton packages, PET containers, electronic/semiconductor devices and automotive parts, and extruded products such as sealings, profiles and tubes.

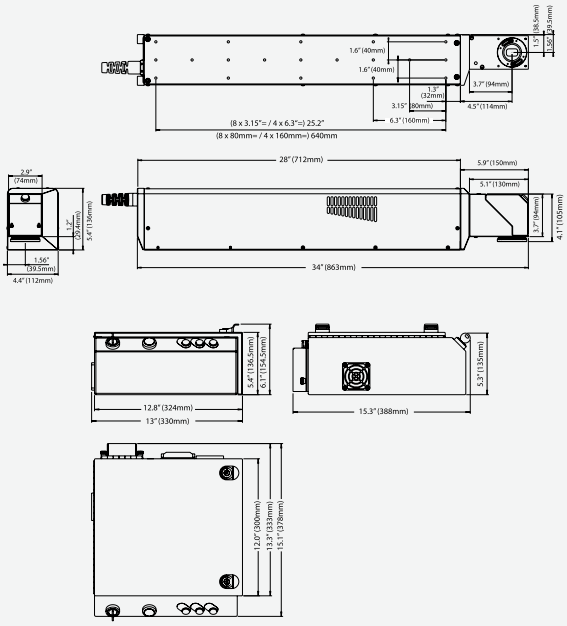
VIDEOJET 3120 Laser Marking System

Print Specifications
Marking Features

Marking Speed
- Up to 1,200 characters per second (depending on the application) Line Speed Up to 10 meters per second (1,800 feet per minute, depending on the application)

Marking Field
- Stationary products: approx. 44x44 mm to 177x177 mm (standard) or 226x325mm2 (optional); unlimited number of lines Moving products: height approx. 44 to 177 (standard) or 325mm (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

Laser Tube
- Sealed CO2 laser, power class 10W

Beam Deflection
- Digital high-speed galvanometer scanner

Focusing
- Precision optics: 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)

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

Software

Smart Graph
- 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 Languages: English, Arabic, Chinese, German, Japanese, Russian and many others; freely selectable 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
- ActiveX software interface for integration into operating software

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)

Supply

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

Cooling System
- Air cooled

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

Sealing and Safety Standards
- IP54S, optional IP65; LASER CLASS 4 product

Weight
- Approx. 26kg/57lbs.: supply unit ~11.5kg/25lbs., marking unit ~15kg/33lbs. (laser head 13kg/29lbs, standard marking head 1.4kg/3lbs.; highest definition marking head 2.2kg/5lbs.)

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

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