



Laser Marking System

Videojet® 3210

Modernize your production with the Videojet 3210 CO₂ laser, engineered to bring laser marking within reach.

The Videojet 3210 30-Watt CO₂ laser marking system removes the need to compromise on quality versus cost. Advanced engineering and extensive laser application expertise are combined to deliver a refined design that makes laser coding achievable for everyone.

Whether new to laser coding or upgrading from an older system, the 3210 is designed to make the transition seamless with a compact, single-box solution that is easy to install and requires minimal operator training.



Designed for efficiency

- A compact, lightweight design makes line integration seamless while versatile mounting configurations simplify line changeovers
- Videojet technicians are on hand to help ensure your laser is set up quickly and correctly
- The intuitive touchscreen interface and setup wizards make job creation straightforward

A better solution for your line

- Precise and permanent laser codes are easily readable and help convey the quality of your products while providing built-in counterfeit protection
- Laser systems require no consumables so you never have to stock ink and solvent again
- An air-cooled laser source with 50,000 hours of expected life provides extended printer availability with minimal required service

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Marking speed

Up to 1,300 characters/sec. (maximum marking speed is application dependent)

Line speed

Up to 360 m/min. (1,181ft/min.) (maximum line speed is application dependent)

Marking window

36x57 mm² to 72x115 mm²

Wavelengths

9.3 µm, 10.2 µm, 10.6 µm

Marking formats

Standard industrial fonts (Type 1 Windows® TrueType®) and Single line fonts
Machine readable codes (OCR, 2D-matrix, etc.)
Bar codes: BC25, BC251, BC39, BC128, GS1-128, EAN13, UPC_A, RSS14, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omnidirectional, RSS Limited, RSS Expanded, etc.
Graphics, logos, symbols, etc.
Linear, circular, angular, reverse, rotate
Sequential and batch numbering
Automatic date, layer and time coding; real-time clock
Dot mode enables marking 2D codes faster than traditional grid mode

Laser tube

Sealed CO₂ laser, power class 30-Watt

Beam deflection

Steered beam with digital high-speed galvanometer scanners

Focusing

Focal lengths: 100 / 150 / 200 mm (3.94 / 5.91 / 7.87 inches)

Operator interface options

Handheld or touchscreen controller
TCS+ via Web Browser

Language capabilities

Arabic, Brazilian Portuguese, English, Japanese, Korean, Simplified Chinese, Spanish, Thai, Traditional Chinese, UK English, Vietnamese; interface dependent.

Communication

Ethernet, TCP/IP
Inputs for encoders and product detectors
9 inputs / 5 outputs in addition to machine/operator interlocks

Integration

Direct integration into complex production lines via scripting interface

Electrical requirements

100-120 VAC; 200-240 VAC 0.7 KW

Cooling system

Air cooled

Environment

Temperature 40-105°F (5-40°C)
Humidity 20% - 90%, non condensing

Sealing and safety standards

IP54
IEC 60825-1
IEC 61010-1
IEC 60204-1

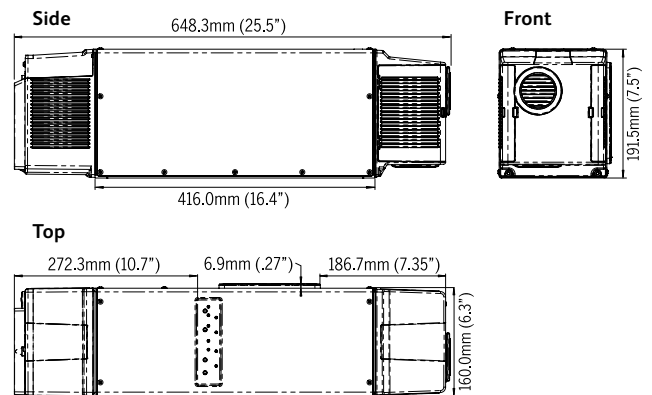
Approximate weight

41.9lbs. (19kg)

Applicable certifications

CE
Compliance (no certification required): ROHS

Dimensions



INVISIBLE LASER RADIATION

AVOID EYE OR SKIN EXPOSURE
TO DIRECT OR SCATTERED RADIATION

MAX. AVERAGE POWER: 100 W
WAVELENGTH: $\lambda = 9-11 \mu\text{m}$
LASER CLASS 4
(IEC 60825-1:2014)

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