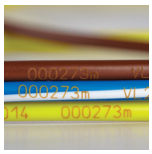



Laser Marking System

Videojet® 3340

Increased throughput and productivity through extended high-speed capabilities and the industry's largest mark field.

Packaging operations that require high-quality, crisp codes for marking at high speeds can rely on the Videojet 3340 CO_2 laser solution to help meet maximum throughput with consistent print quality.

With virtually no font, code or graphic restrictions and line speeds up to 900 m/min., the 3340 is an ideal solution for marking complex codes at high speeds in food, beverage, cosmetics, pharmaceutical and extrusion industries.

Uptime Advantage

- Maximum performance and extended laser source life expectancy up to 45,000 hours through optimized total power output
- Air-cooled laser source virtually eliminates maintenance intervals
- Line set up wizard, available with optional CLARiTY™ Laser Controller, aids fast product changeovers, eliminating set up trial and error and minimizing planned downtime

Built-in productivity

- Largest marking window in the industry offers optimally matched applications for higher throughput
- On-screen diagnostics, available with optional CLARiTY™ Laser Controller, track causes of downtime and help troubleshooting to get the line back up and running quickly
- High speed capability allows marking at 150,000 products per hour

Code Assurance

- Optional CLARiTY™ Laser Controller offers built-in software features that help reduce operator errors and ensure products are coded correctly
- High-quality, permanent codes help assure product traceability and tamper-proofing
- High-resolution marking head delivers consistent, crisp codes

Simple usability

- Most flexible integration solution with 32 standard beam delivery options
- Quick set up and easy redeployment via detachable umbilical cable for easy routing on the line and simple-to-use accessory connections
- 5 interface options plus a choice of networking communications to match your preferred workflow

Videojet® 3340

Laser Marking System

Marking speed
Up to 2,000 characters/sec.[1]

Line speed
Up to 15m/sec. (49ft/sec.)[1]

Marking window
Approx. 30.8x38.2mm² to 601.0x439.8mm²

Wavelengths
10.6µm, 10.2µm and 9.3µm

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 CO_2 laser, power class 30-Watt

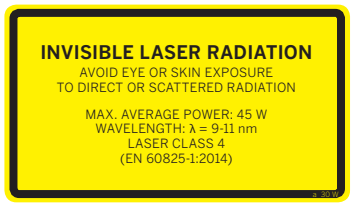
Beam deflection
Steered beam with digital high-speed galvanometer scanners

Focusing
Focal lengths: 64/ 95/ 127/ 190/ 254 mm (2.5/ 3.75/ 5.0/ 7.5/ 10.0 inches); 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); 400/ 500/ 600 mm (15.75/ 19.68/ 23.62 inches)

Multiple operator interface options
Handheld controller
PC software
TCS Touch Control Software
CLARiTY™ Laser Controller
Smart Graph Com

Language capabilities[2]
Arabic, Bulgarian, Czech, Danish, English, German, Greek, Finnish, French, Hebrew, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese; interface dependent. Additional languages available with Smart Graph software.

[1] Maximum marking and line speed is application dependent
[2] With optional CLARiTY™ Laser Controller



Communication
Ethernet, TCP/IP and RS232 optional
Inputs for encoders and product detector triggers
16 inputs / 11 outputs for start/stop signals, machine/operator interlocks, alarm outputs; in addition to the safety circuits
Customer-specific solutions available

Integration
Direct integration into complex production lines via scripting interface
Flexible beam delivery options (beam extension unit/ beam turning unit)
Detachable umbilical for simple integration; available in 3 lengths

Electrical requirements
100-240 VAC (autorange), ~50/60Hz, 1PH, 0.70KW

Cooling system
Air cooled

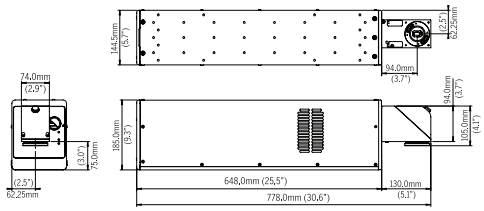
Environment
Temperature 40-105° F (5-40° C)
Humidity 10%-90%, non-condensing

Sealing and safety standards
Supply Unit: IP54, optional IP65
Marking Unit: IP54, optional IP65
Optional safety module provides Performance Level d (PFL-d) in accordance to EN 13849-1
IEC/EN 60825-1:2014

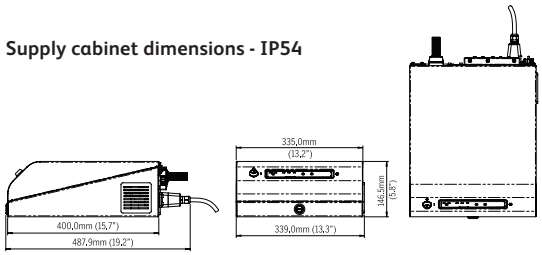
Approximate weight
Supply unit: IP54/IP65 25.4lbs. (11.5kg)
Marking unit: IP54 42.1lbs. (19.1kg); IP65 44.1lbs. (20kg)

Applicable certifications
CE, TÜV/NRTL, FCC
Compliance (no certification required): ROHS, CDRH/FDA

Marking unit dimensions - IP54 with SHC60c marking head



Supply cabinet dimensions - IP54



Part No. SL000631
ss-3340-us-0916
Printed in U.S.A.

VIDEOJET