









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, 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

 $10.6\mu m,\,10.2\mu m$  and  $9.3\mu m$ 

### 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, laser, power class 30-Watt

### Beam deflection

Steered beam with digital high-speed galvanometer scanners

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<sup>TM</sup> 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

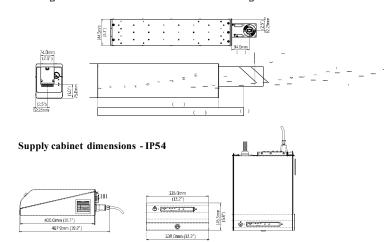
Supply unit: IP54/IP65 25.4lbs. (11.5kg) Marking unit: IP54 42.1lbs. (19.1kg); IP65 44.1lbs. (20kg)

### Applicable certifications

CE, TÜV/NRTL, FCC

Compliance (no certification required): ROHS, CDRH/FDA

### Marking unit dimensions - IP54 with SHC60c marking head





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