Laser Marking System

Videojet® Lightfoot™ Canning Solution

The Videojet Lightfoot™ canning solution is an all-in-one fiber laser system tailor-made to meet the challenging requirements of high-speed beverage canning operations.

The Videojet canning solution handles demanding production needs even in harsh environments with features such as dual Lightfoot™ fiber laser marking heads, a cabinet rated for washdown environments, and best-in-class safety measures.

A turnkey system purpose-built for beverage canning, the Videojet Lightfoot canning solution delivers speed, quality, and reliability in a comprehensive package.

Tailor-made for canning

- Achieve marking speeds up to 100,000 cans per hour*
- Optimize for washdown with the IP65 rated cabinet
- Handle harsh humid or sugar-laden environments easily with IP69 rated marking heads
- Keep the line running with built-in redundancy from dual marking heads

Complete solution

- Help ensure operator safety with a sealed enclosure that blocks all optical radiation
- Reduce cleaning needs with an air knife that prevents dust build-up on the marking head exit beam
- Connect to common line integration or code management solutions with standard industry protocols
- Maximize your productivity with included VideojetConnect™ Remote Service

Speed capacity will vary based on application requirements

Videojet® Lightfoot™ Canning Solution
Laser Marking Systems

Marking field

	Working Distance: (CFS-X)	x Dimension	y Dimension
Medium (-M)	112.50	48.27	89.30

Marking formats

Standard fonts (Windows® TrueType®/ TTF; PostScript®/ PFA, PFB; Open Type®/ OTF) and individual fonts, such as high-speed or OCR

Machine-readable codes: ID-MATRIX; ECC plain; BAR CODES/ -stacked omnidirectional/ -limited [CCA/B]/ expanded

Graphics/ graphic components, logos, symbols, etc. (dxf, jpg, ai, etc.)

Linear, circular, angular text marking; rotation, reflection, expansion, compression of marking contents

Sequence and serial numbering; Automatic date, layer and time coding, real-time clock; Online coding of individual data (weight, contents, etc.)

Laser source

Ytterbium (Yb) pulsed fiber laser

Power class 30 Watt

Central emission wavelength: 1,040 - 1,090nm (1.04 - 1.09μm)

Laser beam deflection

Digital high-speed galvanometer scan

Laser beam orientation

Straight-out (CFS-x)

User interfaces

TCS+ browser-based free form onboard editor

Smart Graph software for PC; configurable in 20 languages (option)

CLARiTY™

TCS+

Browser-enabled software for intuitive creation of complex jobs on standard web browser compatible devices

Dual laser configuration uses leader/follower pattern with single integrated software control

Support for 27 languages

Full user access control and role definition

Event log for history of user interactions

Graphical guided line setup wizard

Easy system and parameter configuration

WYSIWYG editor

Integration

Direct integration into complex production lines through the laser's scripting interface

Integration via Ethernet and RS232 interface

Highly precise side guided height adjustment via dovetail joint or 38mm tube

Communication

Ethernet (TCP/IP, 100Mbit LAN), EtherNetIP™, ProfiNet®, RS232, digital I/Os

Inputs for encoders and product detector triggers

I/Os for start, stop, external error, job select, trigger, trigger enable, encoder; system ready, ready to mark, marking, shutter closed, error, bad, good signals and machine/ operator interlocks

Customer-specific solutions

Electrical requirements

100 - 240 V (autorange), 360 VA, 1 PH, 50/60 Hz

Environmental protection

Supply unit: IP65, air cooled
Laser head: IP69, air cooled

Temperature/humidity range

5 - 40° C (40 - 105° F)/ 10 - 90 %, non-condensing

Weight

Beam shield tunnel -300 – 148.2 / 326.7lbs
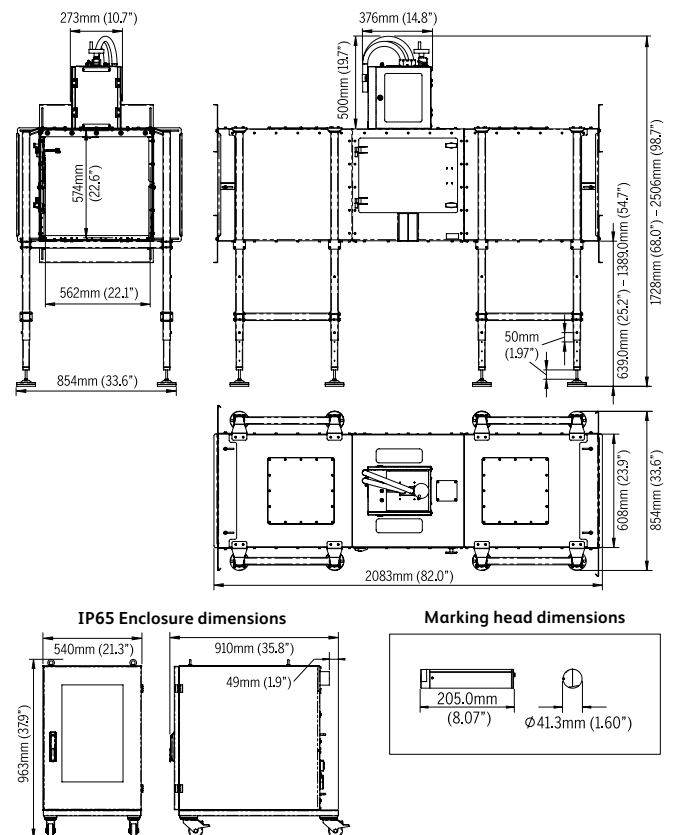Beam shield tunnel -600 – 230.6 / 508.4lbs
IP65 Enclosure – 78.8kg / 173.7lbs
Marking head enclosure – 14.2 / 31.3lbs
Mounting stand, blower unit – 3.2kg / 7.1lbs

Applicable certifications

EtherNetIP DOC, ProfiNet/PNO certificate, CE, TÜV/NRTL, FCC
Compliance (no certification required): ROHS, CFRH/FDA

IP65 Enclosure dimensions

Marking head dimensions

Call **(65) 6444 4218**
Email **marketing.singapore@videojet.com**
or visit **www.videojet.sg**

Videojet Technologies (S) Pte Ltd
No. 11 Lorong 3 Toa Payoh
Block B #03-20/21 Jackson Square
Singapore 319579