Videojet® 3010

Laser Marking System

Laser.

Ink Jet.

Thermal Transfer.

Labelers.

Track & Trace.

Supplies.

Parts & Service.

Simply easy. Conveniently compact. Absolutely affordable. The new Videojet 3010 (10 Watt) laser coder is the most compact, easiest to operate and most cost-effective low maintenance CO_2 laser coding system available. [...] for simple marking and coding application on [...] labels and cardboard boxes in the [...] goods markets, and ideally suited also for indus[...] products applications on various other materials.

The small and compact all-in-one solution

• One-box design for easy and fast installation

• Shortest and most compact unit on the market

• At 7 kg the lightest system on the market

The easy to install and redeploy solution

• 30 min. for mechanical setup; 20 min. for line change

• Mobile stand for flexible installation

• Smart system components: product detector, focus finder for one-shot adjustment of working distance

• 30 % larger working distances compared to conventional systems
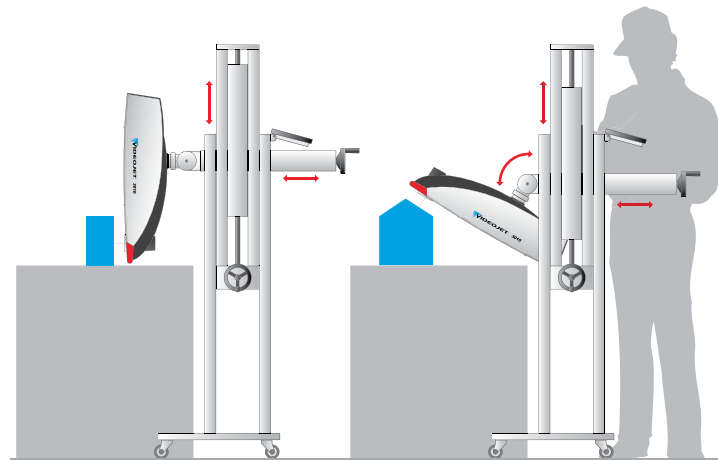
Quick start and easy operation

• Simple and intuitive operator interface on the Touch Control handheld for maximum ease of use

• Only 30 min. for application setup and job creation

• Straightforward line setup from select box menu and preview window

• Automatic detection of encoder and product detector, which are ready-to-use from the start

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Marking Fields (see graphic for marking field sizes)

	3 Focusing Lenses		
Working Distance/mm	80	128	179
Focal Length/mm	100	150	200

Marking Formats

Standard fonts: Simplified Chinese, Western European

Machine-readable codes: ID matrix, bar codes

Logos/ symbols (pixel-based, vector-based)

Graphical elements (ellipse, rectangle, polygon)

Variables (serial numbers, text, date, time, shift code, GS1)

Speed (depending on the application)

Line speed: Max. 1m/s (60m/min)

LASER MARKING SYSTEM COMPONENTS

Standard Configuration

Laser Marking Unit: (includes laser, digital high-speed galvanometer scanners, one lens with lens protection, controller, I/O panel, built-in keypad, power supply, connectors, lamps, switches, focus finder to adjust working distance); Laser Beam Orientation: 90-degree beam exit

Product Detector

Touch Control Unit: user interface

Options & Accessories

Mobile stand; Beam shield; Exhaust unit; Encoder; Fiber optics photocell; Touch brackets; Mounting brackets

Laser

Sealed CO_2 laser, power class 10 Watt

LASER CLASS 4 product (acc. to DIN EN 60825-1;05/2008)

Central emission wavelength: 10.6 µm

Integration

Stand-alone solution when optionally available stand is utilized

Usage without stand: direct integration into production lines via mounting brackets
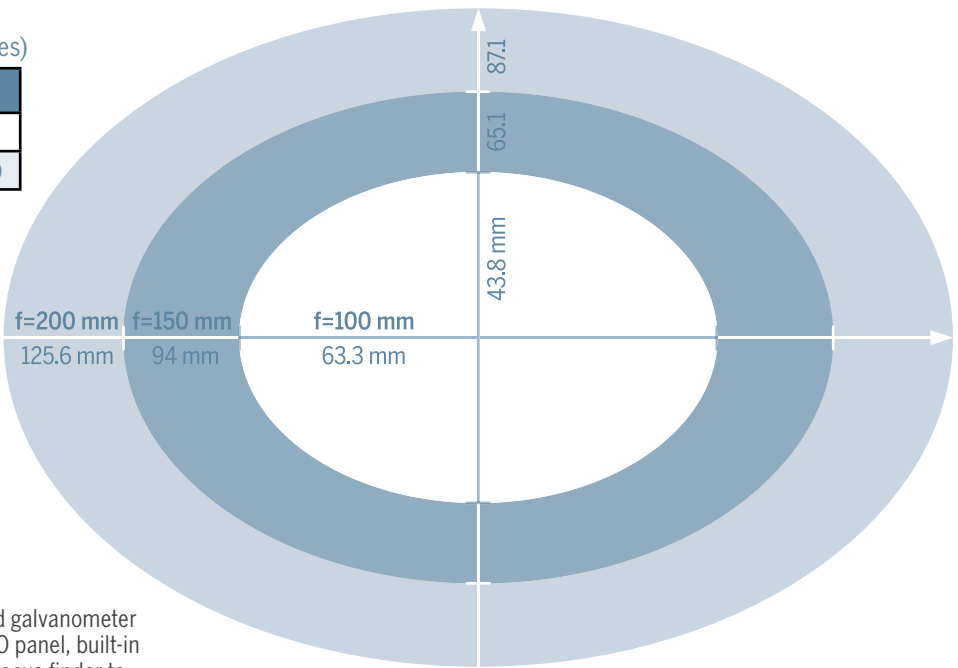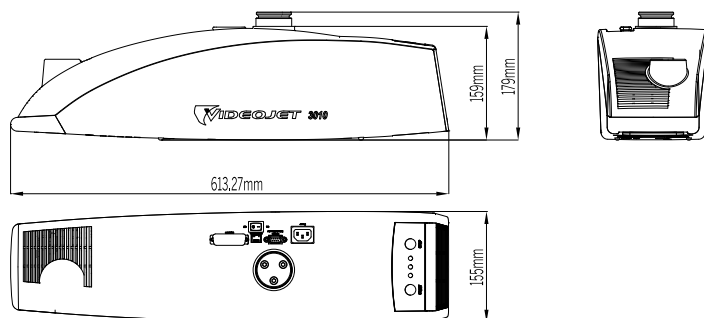
USER INTERFACES

Touch Control Unit

PC based; communicating with the marking unit via Ethernet

USB interface on touch screen for data exchange

Configurable in English, Simplified Chinese, Spanish, Portuguese (Brazilian), Korean

Built-In Keypad

Start and stop keys; LED indicators for status, laser emission, error

Marking Unit Dimensions

Marking fields graphic: actual size

Dimensions shown: 87.1, 65.1, 43.8 mm

f=200 mm — 125.6 mm

f=150 mm — 94 mm

f=100 mm — 63.3 mm

159mm / 179mm / 613,27mm / 155mm

SOFTWARE

Touch Control Software

Easy-to-use graphical touch screen user interface under Windows® for the intuitive and fast preparation of marking jobs, easy line setup, easy print parameter setup and system configuration

Creation and editing of jobs; Vertical/ horizontal adjustment, rotation and scaling of marking contents and intensity variations

WYSIWYG

Various password-protected security levels

Communication

Inputs for encoder and product detector

Digital I/Os for start, stop, interlock, shutterlock, ready, error, shutter locked

SUPPLY

Electrical Requirements

100 to 120 V/ 200 to 240 V, autorange; 1 PH, 350 VA, 50/60 Hz

Environment

Dust protected, internally air-cooled

Ambient temperature: 5° to 40° C
(up to 45° C with reduced duty cycle)

Humidity range: 10 - 90 %, non-condensing

Approximate Weight

Marking unit – 7 kg

RoHS conform

CE

VIDEOJET®
Uptime Peace of Mind®

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