REA JET

INDUSTRIAL CODING AND
MARKING SOLUTIONS –
MADE IN GERMANY

REA JET CO_2-Laser CL IP65

Captive Coding with Light

Laser Marking with Protection Class IP65

Industrial marking with CO_2-Laser systems from REA JET offers a distinct advantage: it is virtually consumable- and maintenance-free, i.e. it involves low operating costs. Working with the REA JET CL IP65 Laser Marking System is simple and intuitive. It has a graphical operating panel, using a modern rotary knob with push-button function.

Unique in the world is just one overall operating concept, used for both the REA JET laser and the REA JET ink-jet systems, having but a single set of interfaces! Parallel user interfaces therefore enable your operating personnel to take charge of several methods of marking. And that will save you both money and time. The compact design and the easy to rotate marking head of the REA JET CL IP65 allow for simple mechanical integration.

Optional beam turning units enable use in places that may otherwise be difficult to access. Included in delivery is a pilot laser that ensures the system is swiftly set up for operation with new products. New Generation digital beam deflecting mirrors provide for the highest possible operating speed, but with ample capability in reserve.

Operation of, or training on, the REA JET CL, IP65 using a PC – as well as remote maintenance by PC – is made possible by means of its integrated VNC server.
No matter where you are, by means of the integrated web server you are able to control your REA JET marking system from any web browser available; there is no need to install further software. The remote maintenance tool for remote diagnostics and support is included in delivery.

Advantages of CO_2-Laser: REA JET CL IP65

- Protection Class IP65: protected against dust and splash water
- single overall operating concept, for both laser and ink-jet marking
- easy-to-learn and intuitive operation
- easy integration, due to compact design
- Pilot laser included in delivery
- digital beam deflecting mirrors, allowing highest possible operating speed
- integrated VNC server and web server, for remote diagnostics and maintenance
- Ethernet communication with unique communication protocols for both laser and inkjet systems

CL Controller

CL Laser Unit
protection class IP65

REA JET

Technical Data

Laser Unit	CL210 IP65	CL230 IP65	CL260 IP65
Laser Type	Air-cooled CO_2-Laser with integrated Pilot Laser		
Laser Power	10 W	30 W	60 W
Wavelength	10,6 µm; 9,3 µm (8 W)	10,6 µm; 10,2 µm (25 W); 9,3 µm (20 W)	10,6 µm
Power Supply	95-250 V AC (Autorange) 50/60 Hz		
Emergent Beam Angle	Continuously adjustable		
Focusing Lens	100	150	200	250	300
- Distance to Product*	100 mm	150 mm	200 mm	250 mm	300 mm
- Marking Area (L x H) in mm^2	80 x 80**	120 x 120**	160 x 160**	205 x 205**	250 x 250**
Mirror Control	Digital, giving highest marking speed				
Dimensions L x W x H	817 x 142 x 192 mm				
Weight	15 kg	19 kg	26 kg		
Protection Class	IP65 (protected against dust and splash water)				

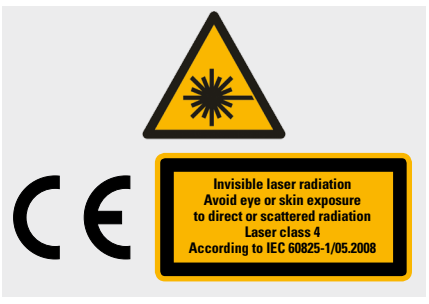
* distance between focusing lens and product surface ** unlimited marking length with moving product

Controller	
Display	5,7 inch, high-resolution graphics display, 6 LEDs for direct display of status
Operation	Intuitive operation via keypad and rotary knob with push-button function, Unicode-based text entry
Languages	To be freely chosen
Dimensions L x W x H	329 x 424 x 142 mm
Weight	13 kg
Communication	Ethernet, USB
Digital I/Os	2x 6 Inputs, 2x 4 Outputs – freely configurable
Accessories	Beam Deflection Units, Encoders, Extraction Units, I/O-Kits, Product Sensors, Safety Kits, Signal Lights, Fan Cover against Dust and Splash Water, Cooling Unit
Safety	Interlock (Dual-channel safety circuit)

Object-oriented Layout Software (Windows® based) REA JET Label Creator	
Marking Content	Text-Objects optional with multiple contents and word wrap • dynamic textfields (Date, Shift, Time, Counter, Reference, buffered Text-Objects) • Linear-, Circle-, Oval- and Cornermarking etc. • Logo, numerous 1D + 2D-Codes incl. input wizard for GS1 and other standards
	True Type fonts incl. laser-optimized fonts • Object-related assignment of marking parameters • User defined object selection for Pilot laser • User defined marking order at a standstill and optimized marking order „on the fly“


Glass marking

Marking of PET bottles



Laser Class 4


Accessories: Cooling Unit

Marking of cans

2D-Code marking of soot particle filters

REA JET

made in Germany

REA Elektronik GmbH

Teichwiesenstrasse 1

64367 Muehltal

Germany

T: +49 (0)6154 638-0

F: +49 (0)6154 638-195

E: info@rea-jet.de

www.rea-jet.com

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