REA JET

REA JET CO_2-Laser CL
Permanent Marking using Light
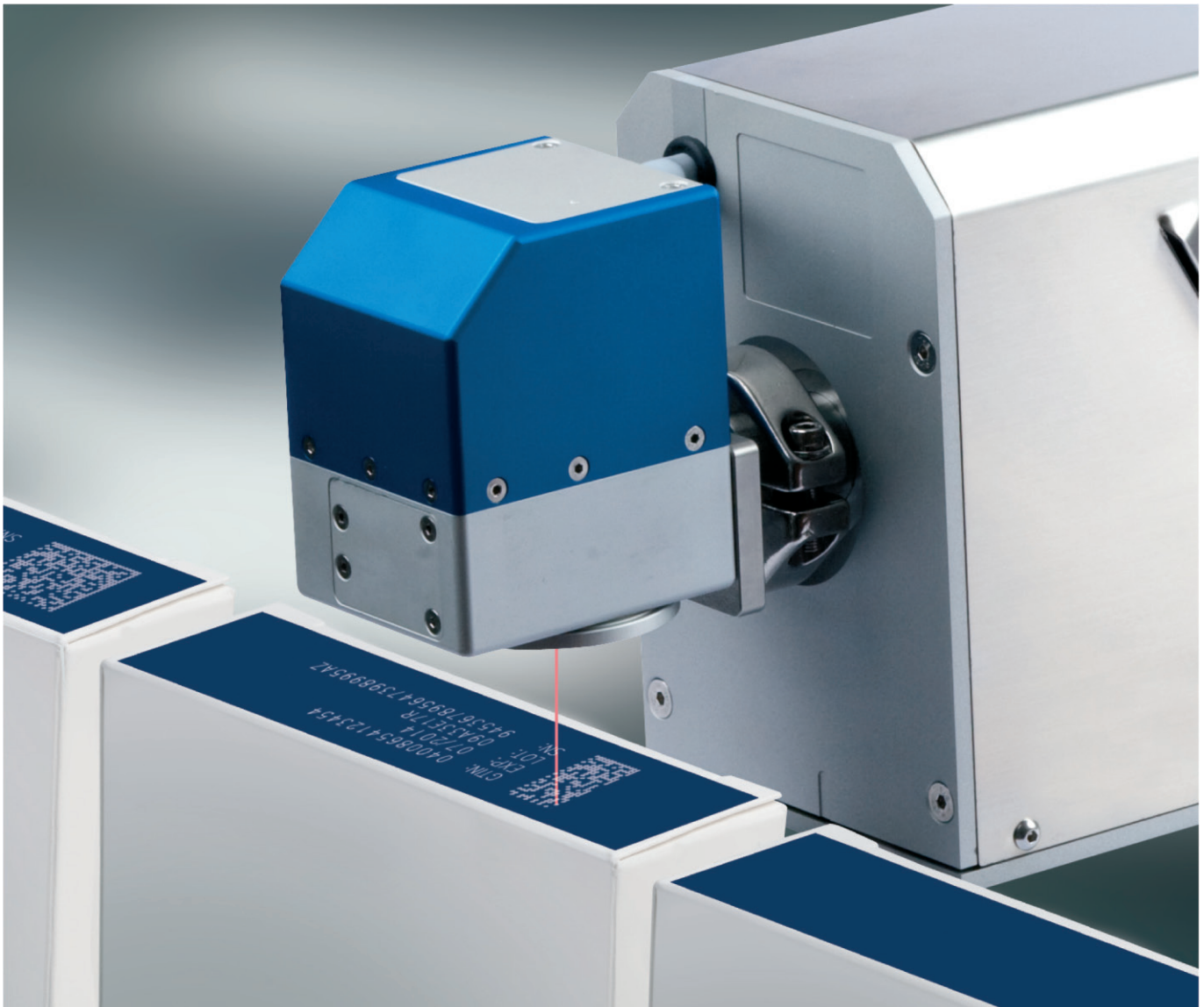
Innovative Marking and Coding Solutions for Industry

Industrial marking with CO2-Laser systems from REA JET offers a distinct advantage: it is virtually consumableand maintenance-free, i.e. it involves low operating costs. Working with the REA JET CL 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 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, 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 CO2-Laser: REA JET CL

- 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

CL Controller

CL Laser Unit

Writing on card

Marking of rubber profiles

2D-Code marking of soot particle filters

Glass marking

Writing on cork

Marking of plastics

Technical Data

Laser Unit	CL210 CL230		
Laser Type	Air-cooled CO2-Laser with integrated Pilot Laser		
Laser Power	10 W	30 W	
Power Supply	95-250 V AC (Autorange) 50/60 Hz		
Emergent Beam Angle	Continuously adjustable		
Focusing Lens	FL 100	FL 200	FL 300
- Distance to Product	100mm	200mm	300mm
- Marking Area (L x H) in mm2	80 x 80*	160 x 160*	250 x 250*
Mirror Control	Digital, giving highest marking speed		
Dimensions L x W x H	787 x 137 x 180 mm		
Weight	14 kg	18 kg	

* unlimited marking length with moving product
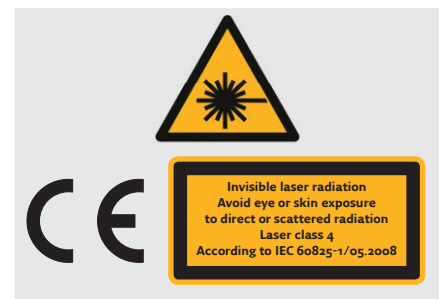
Controller	
Layout Software	REA JET Label Creator
Marking Content	Text, Date, Shift, Time, Counter, Logo, Barcode, 2D-Code etc.
Direction of Marking	To be freely chosen
Marking Format	True Type fonts, Laser-optimized fonts, Custom fonts
Display	5.7 inch, high-resolution graphics display, 6 LEDs for direct 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, RS232/422
Digital I/Os	2 x 6 Inputs, 2 x 4 Outputs – freely configurable
Accessories	Beam Deflection Units, Encoders, Extraction Units, I/O-Kits, Product Sensors, Safety Kits, Signal Lights
Safety	Interlock (Dual-channel safety circuit)

Writing on painted tins

Marking of composite materials

Laser Class 4

Invisible laser radiation
Avoid eye or skin exposure
to direct or scattered radiation
Laser class 4
According to IEC 60825-1/05.2008

Writing on sanding discs

Marking of wooden profiles

Writing on cardboard boxes

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