

REA LASER

PERMANENT CODING
AND MARKING

REA JET CO₂ Laser CL

Permanent Marking using Light



Innovative Marking and Coding Solutions for Industry



Industrial marking with CO₂ Laser systems from REAJET offers a distinct advantage: it is virtually consumable- and maintenance-free, i.e. it involves low operating costs. Working with the REAJET 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 REAJET laser and the REAJET inkjet 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 REAJET 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 REAJET 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 REAJET 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: REAJET CL

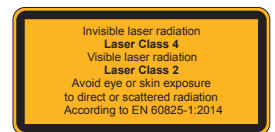
- Single overall operating concept, for both laser and inkjet marking
- Easy-to-learn and intuitive operation
- Easy integration, due to compact design
- Pilot laser included in delivery
- Digital beam deflecting mirrors, allowing highest possible operating speed
- Integrated VNC server and web server, for remote diagnostics and maintenance



CL Laser Unit



CL Controller



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		CL260
Laser Type	Air-cooled CO ₂ Laser with integrated Pilot Laser				
Laser Power	10 W		30 W		60 W
Wavelength	10,6 µm; 10,2 µm; 9,3 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**	200 x 200**	250 x 250**
Mirror Control	Digital, giving highest marking speed				
Dimensions L x W x H	787 x 137 x 180 mm			898 x 137 x 180 mm	
Weight	14 kg		18 kg		25 kg
* 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
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“



Compatibility: transfer of Software NiceLabel print layouts using REA JET's own printer drivers.



The REA JET TITAN Platform. The single operating concept for all REA JET technologies.



Writing on painted tins



Marking of composite materials



Coding and marking of packaging through color removal



Writing on sanding discs



Marking of wooden profiles



Writing on cardboard boxes

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