APLaser
LSR 20/40

✳ LASER CODER

The CO_2 Laser Equipment have been designed as a modular equipment in order to get high performance for Coding and Marking text, Barcodes 1D/2D as well as variable data.

The APLaser Series have been created for industrial production environments. The LSR 20W/40W offers the highest performance with the best output and higher power for different materials and speed production lines.
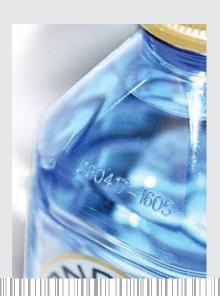
APLaser Series can code and mark on different substrates and materials such as Glass, Plastic, PET, Paper, carton, wood, metal, etc. Offering a wide range of solutions to find out the best specific solution for different industries like FMCG, beverage, pharma, cosmetic, etc…

Thanks to its modular design, the APLaser is easy to install and integrate to existing production lines. His graphic user friendly 8" touch screen interface allows to operating the equipment through intuitive easy to use screen icons.

- ✔ Wide range of industrial applications.
- ✔ Experienced and proven technology.
- ✔ Best in class laser source capacity. Up to 55,000 hours.
- ✔ Production speed up to 600 m/min.
- ✔ Printing speed up to 2.000 characters/sec.
- ✔ Modular design with variable height and depth for an accurate laser positioning.
- ✔ Wide range of lens and focal distances.
- ✔ 1D/2D Barcodes, Logos and Graphics.
- ✔ Static and dynamic marking.

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Características técnicas

LASER TUBE	Sealed CO_2 laser, 20W and 40W power
WAVE LENGTH	9,3 µm, 10,2 µm, 10,6 µm
BEAM OUTPUT	90º and 0º
MARKING SPEED	Up to 2000 characters/sec*
LENS AND FOCAL DISTANCE	- Lens 50x50 / fd 75 - Lens 70x70/ fd 100 - Lens 105x105 / fd 50 - Lens 120x120 / fd 175 - Lens 220x220 / fd 315 - Lens 140x140 / fd 200 - Lens 155x155 / fd 225 - Lens 175x175 / fd 250 - Lens 210x210 / fd 300 - Lens 250x250 / fd 360 - Lens 280x280 / fd 400 - Lens 415x415 / fd 600 - Lens 500x500 / fd 720
PRODUCTION LINE SPEED	Up to 600 Mts/min* (1900 ft.)
INTERFACE	8" touch screen color panel display
DESIGNER SOFTWARE	UBSLabel
CONNECTIVITY	Ethernet, USB
I/O SIGNALS	10 input / 16 Output
CHARACTER HEIGHT	1 to 100 mm. with unlimited text lines
FONTS, IMAGES AND BARCODES	True Type compatible vectorial fonts, logos, graphics and especial characters, 1D/2D barcodes.
OPTIONS AND ACCESSORIES	Fume and particles extractor, pressurized lens kit, protector, product sensor, Diode, encoder, beacon alarm.
WEIGHT	Laser 14 kg (30lb) /Controller 20 Kg (44lb)
LASER UMBILICAL CONNECTOR	6 mts (19 ft)
CONSTRUCTION	Special treated aluminum
PROTECTION	IP54 (optional IP65)
ENVIRONMENT	5ºC to 40ºC (41ºF to 104ºF)
HUMIDITY	10% to 90%, non-condensed
POWER SUPPLY	110-265V 50/60Hz
ELECTRICAL CONSUMPTION	600 W

*Marking and production line speed capacity depends on every specific application, as well as the text size, message complex and substrate to be marked.

LASER CODER

- ✔ Equipment state alarm.
- ✔ Cooling System included.
- ✔ Multilingual user interface.
- ✔ Remote access.
- ✔ Easy and quick components connection/disconnection.
- ✔ Automatic security shutter (patent).

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The right choice