

Advantage CO2 Laser Markers

24/7 permanent high quality coding
for most applications



Low Power Use • Very Fast • Maintenance-Free

- > Compact for easy integration into any production line.
- > Very low power consumption, so good for your bottom line!
- > Marks onto most materials
- > Industry leading marking speed, of a staggering 1500 characters per second, or 300m/minute
- > IP55 Rated. The enhanced anti-electromagnetic design ensures stable operation in the harshest environments
- > Easy to use; The innovative interface is simple to learn. Control the laser with an easy-to-use interface reducing the risk of product rework and recalls.
- > Virtually maintenance-free
- > No consumables required for true 24/7 operation without downtime, saving you money

CO2 Laser Headlines

Principle	Thermal interaction
Focable length deviation	+ / - 3mm
Ambient temperature	Up to 45 degrees C
IP Rate	IP55
Laser tube life	5 years
Smoke	Yes. Extraction required

Visible and Invisible Laser Radiation

Avoid eye or skin exposure to direct or scattered radiation
Max average power: 50w • Max pulse energy: 11 Mj
Pulse duration: 1-300 ns • Wavelength: 1040-1090 nm • Laser class: 4



TECHNICAL SPECIFICATION

LAC30-9.3 | LAC50-9.3 FEATURES

- > CO2 Laser, 9.3µm, MTBF 50,000 hrs
- > Laser Power, 30; 30w | 50; 50w
- > Characters/second, 30; 1200* | 50; 1500*
- > Speed M/Min; 30; 200* | 50; 300*
- > IP55 Rated.
- > Lines; unlimited within marking area
- > Height; 0.8mm - Max marking area
- > Fonts; 26. Multi-language support
- > QR, Code128, Code39 & Data-Matrix Code
- > Graphics; BMP/DXF/HPGL/JPEG
- > Elements; Point, Linear Arc, Ellipse, Circle, Rectangle, Polygon
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code
- > Marking Area (MA); 110x110mm standard 50x50-400x400 optional
- > Focal Distance; 136mm (standard lens)

OPERATION

- > Power; 100-240VAC, 47-63Hz, 750W
- > Operating Environment; 5-45° C,
- > Humidity; 10-90%, non-condensing
- > Cooling System; Air Cooling
- > 10.1" colour touch screen
- > RS232, Ethernet (10/100Mbit), USB

DIMENSIONS

- > Laser; 704,7mm L x 176mm W x 156mm H

* Characters per second and production line speed depend on packaging material and print content.

LAC30-10.2 | LAC50-10.2 FEATURES

- > CO2 Laser, 10.2µm, MTBF 50,000 hrs
- > Laser Power; 30; 30w | 50; 50w
- > Characters/second, 30; 1200* | LE50; 1500*
- > Speed M/Min; 30; 200* | 50; 300*
- > IP55 Rated.
- > Lines; unlimited within marking area
- > Height; 0.8mm-Max marking area
- > Fonts; 26. Multi-language support
- > QR, Code128, Code39 & Data-Matrix Code
- > Graphics; BMP/DXF/HPGL/JPEG
- > Elements; Point, Linear Arc, Ellipse, Circle, Rectangle, Polygon
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code
- > Marking Area (MA); 110x110mm standard 50x50-400x400 optional
- > Focal Distance; 136mm (standard lens)

OPERATION

- > Power; 100-240VAC, 47-63Hz, 750W
- > Operating Environment; 5-45° C,
- > Humidity; 10-90%, non-condensing
- > Cooling System; Air Cooling
- > 10.1" colour touch screen
- > RS232, Ethernet (10/100Mbit), USB

DIMENSIONS

- > Laser; 704,7mm L x 176mm W x 156mm H

LAC30-10.6 | LAC50-10.6 FEATURES

- > CO2 Laser, 10.6µm, MTBF 50,000 hrs
- > Laser Power; 30; 30w | 50; 50w
- > Characters/second, 30; 1200* | 50; 1500*
- > Speed M/Min; 30; 200* | 50; 300*
- > IP55 Rated.
- > Lines; unlimited within marking area
- > Height; 0.8mm-Max marking area
- > Fonts; 26. Multi-language support
- > QR, Code128, Code39 & Data-Matrix Code
- > Graphics; BMP/DXF/HPGL/JPEG
- > Elements; Point, Linear Arc, Ellipse, Circle, Rectangle, Polygon
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code
- > Marking Area (MA); 110x110mm standard 50x50-400x400 optional
- > Focal Distance; 136mm (standard lens)

OPERATION

- > Power; 100-240VAC, 47-63Hz, 750W
- > Operating Environment; 5-45° C,
- > Humidity; 10-90%, non-condensing
- > Cooling System; Air Cooling
- > 10.1" colour touch screen
- > RS232, Ethernet (10/100Mbit), USB

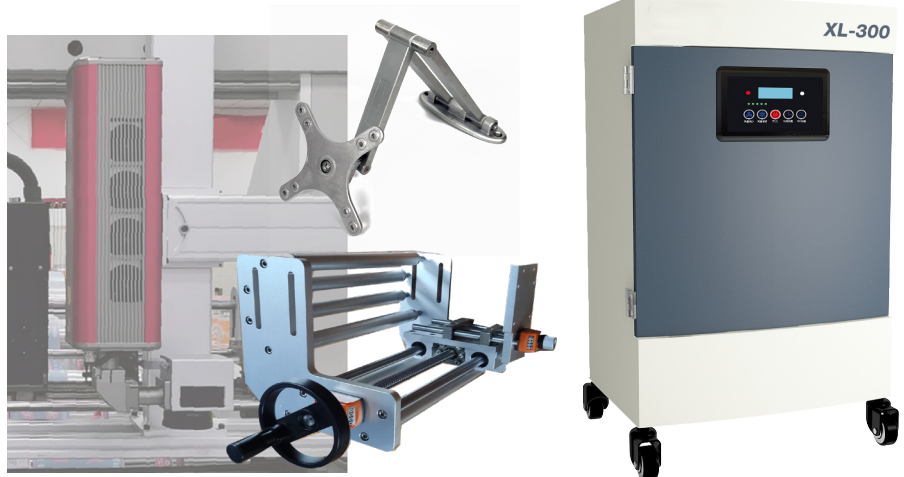
DIMENSIONS

- > Laser; 704,7mm L x 176mm W x 156mm H

OPTIONAL ACCESSORIES

- > Mounting Brackets
- > Safety Guards
- > XL Series Air Extractor
- > Laser Cabinets

Please refer to the relevant datasheets for more details. Prior to any quotations, we will undertake a site-survey to identify which accessories you need for your set-up.



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