

LS3060 PRO

The LS3060 is our smallest free-standing PRO machine and is ideally suited for a wide range of applications. With a standard tube power of 50W it is available with a 60W upgrade for faster cutting and increased flexibility.

The class 1 laser enclosure ensures that the laser beam is safely contained during normal operation. With separately keyed on/off switch, unauthorised access and operation can be prevented. The machine is provided with a 12 month onsite warranty within mainland UK with option to extend up to 3 years.



Machine Features:

- › Class 1 laser system
- › 50W tube as standard with 60W power upgrade option available
- › Motorised table height adjustment
- › Red dot pointer system for easily and quickly lining up your work
- › Slatted non-reflective aluminium bar bed for supporting a wide range of materials and weights (honeycomb bed available upon request)
- › High quality optics provide high accuracy, reliability and long life
- › Cabinet pass-through panels front and rear allow larger items to be cut and engraved
- › Air assist to control heat and disperse smoke and debris around cutting nozzle
- › Water flow switch to provide protection against failure of cooling system
- › Available options include water chiller, fume filter and rotary attachment for engraving cylindrical items
- › Louvred cabinet ventilation slots ensure maximum enclosure safety
- › CE marked Allen Bradley Guardmaster safety switches prevent operation of machine with lid or laser tube door open

Cut and Engrave:

- › Paper, card and print media
- › Plastic laminates
- › Fabric
- › Latex and rubber
- › Leather
- › Plywood and MDF
- › Acrylic, nylon and other non-PVC plastics
- › Wood and wood veneers

Engrave Only:

- › Glass, granite, slate and marble*
- › Anodised and coated metals
- › Uncoated metals**

*60W laser tube upgrade recommended
**ceramic marking compound required



LS3060 PRO specification:

Laser power:

LS3060-50: 50W (60W max)

LS3060-60: 60W (80W max)

Max cutting thickness: 20mm acrylic

Recommended maximum cutting thickness:

LS3060-50: 10mm acrylic

LS3060-60: 12mm acrylic

Engraving speed: 200-400mm/sec*
(200mm/sec recommended for best quality)

Mounting: Free standing floor mounted on castors

Laser source: Water cooled CO2 gas filled glass tube

Cutting area: 600mm x 300mm
(slightly reduced for engraving)

Z axis (table height) adjustment:
200mm motorised

Drive system: Stepper motor

Location precision: <0.01mm

Cooling method: Closed circuit water cooling with flow protection switch

Cooling system: Separate IP68 submersible pump and 35 litre water tank (supplied)** , optional water chiller available

Fume extraction: Separate air extraction unit (supplied) optional fume filter available

Extraction hose: 100mm flexible hose – 2 pieces 1500mm long each (supplied)

Air assist compressor: Free standing oil-free diaphragm compressor (supplied)

Connectivity: USB

Software: RD Works (PC only), Lightburn (PC or Mac)

Typical design software: Adobe Illustrator, AutoCAD, Corel Draw, 2D design

Preferred file types: .dxf, .plt

Operating system support: Windows XP, 7, 8, 10, 11

Minimum character size: 1.5mm x 1.5mm

Power supply: 220V (or 110V) +/- 10% 50Hz (or 60Hz)

*higher speeds are achievable but engraving quality may be reduced

**Water tank not supplied if water chiller option is purchased

Dimensions:

> Machine Only:

LS3060-50: 1070mm(l) x 630mm(w) x 570mm(h)

LS3060-60: 1370mm(l) x 630mm(w) x 570mm(h)

> Machine on Stand:

LS3060-50: 1070mm(l) x 630mm(w) x 1080mm(h)

LS3060-60: 1370mm(l) x 630mm(w) x 1080mm(h)

> Machine weight: 90kg

> Machine interfaces: 2 x USB (1 x USB cable for PC and 1 x USB socket for memory stick), 1 x mains power socket (3-pin UK kettle type cable supplied), 1 x air extract connection to suit 100mm hose, 1 x water inlet and 1 x water outlet port (to suit supplied 6mm I.D. silicon hose), 1 x quick couple air inlet port (to suit supplied 4mm PVC hose), 3 x UK/USA/EU electrical sockets for power connection of auxiliary devices

> Cabinet safety: Louvred cabinet panels, CE marked safety switches for lid and laser tube door, separately keyed main power switch for one-key operation

> Cabinet pass through: Front 725mm x 380mm, rear 615mm x 80mm (Machine becomes a class 4 laser device if operated with pass through panels removed)

Warranty:

> 12 months on site excluding consumables (laser tube and optics)

Optional Extras:

> 60W tube

> Laser fume filtration system for enclosed spaces

> CW4000 or CW5200 water chiller unit

> Laser machine compatible antifreeze

> Rotary engraving attachment



UK
CA CE