

LZRMN 7050 CO2 LASER

Compact 700 x 500 mm CO2 laser cutting and engraving machine for workshop production, signage, acrylic, timber, MDF, leather and custom work.



700 x 500 mm work area - 15 mm rails - 57 stepper motors

Designed for businesses that need more capability than a desktop machine while still keeping the machine compact enough for a small workshop. The 7050 gives practical cutting and engraving capacity for signage, awards, acrylic work, timber products, leather, MDF and general custom production.

What the 7050 CO2 Laser Can Do

- Cut acrylic, MDF, plywood, timber, leather, paper, card and many other non-metal materials.
- Engrave timber, coated materials, leather, glass, anodised aluminium, acrylic and painted surfaces.
- Produce signs, display items, templates, jigs, awards, plaques, packaging inserts and custom product work.
- Provide more usable space than a compact desktop laser while taking up less room than larger production machines.
- Run repeatable workshop jobs with a stable motion system and a practical cabinet design.

The 7050 format is a practical middle ground: compact enough for many workshops, but with enough area for real production jobs.

Common Applications

Feature	Description
Signage and display	Acrylic signs, timber signs, shop displays, labels and tags.
Manufacturing support	Templates, cutting guides, jigs, gaskets, packaging inserts and identification parts.
Personalised products	Plaques, awards, timber gifts, leather items, engraved panels and custom orders.
Batch production	Multiple smaller items can be laid out and processed in one job, reducing handling time.

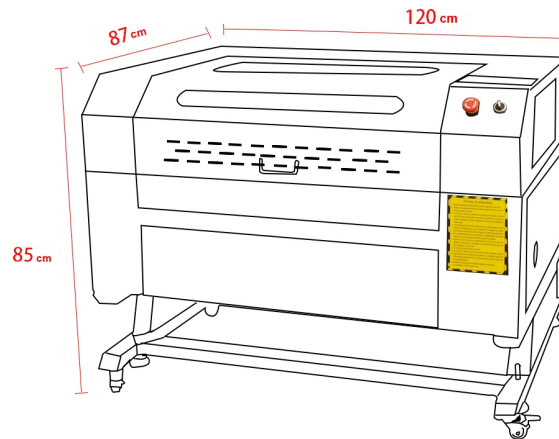
Build Details

Feature	Description
Working area	700 x 500 mm bed size for mid-size jobs and batch production.
Linear rail system	15 mm rails for strong, stable movement across the work area.
Drive motors	57 stepper motors for reliable movement and repeatable cutting/engraving performance.
CO2 laser platform	Suitable for cutting and engraving a wide range of non-metal materials.
Workshop focus	Built for small business use, workshop use and regular production work rather than occasional hobby use.

Machine Reference Images



Machine Dimensions



Why the 7050 Size Works

- 700 x 500 mm working area gives more room than a desktop laser for customer jobs and production layouts.
- The cabinet design suits workshops where space matters but capability is still important.
- More bed area makes it easier to position awkward material, jigs and repeat jobs.
- A good stepping-stone machine for businesses moving from hobby-scale work into regular production.

Materials and Capability

Feature	Description
Acrylic	Clean engraving and cutting for signs, awards, display items, templates and panels.
MDF and plywood	Useful for craft products, signage, models, jigs, templates and decorative items.
Natural timber	Engraving, marking, cutting thinner timber and producing personalised timber products.
Leather	Engraving, cutting, branding, labels, patches and custom leather goods.
Paper and card	Packaging samples, stencils, invitations, templates and presentation pieces.
Glass and coated surfaces	Surface engraving and marking for decorative and personalised items.

CO2 lasers are best suited to non-metal cutting and engraving. For bare metal marking, a fibre laser is the better option.

LZRMN Australia

Laser machines, training, support and practical advice for Australian businesses using CO2 and fibre laser equipment.

Contact	lzrmn@lzrmn.com.au
Product	7050 CO2 Laser