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Laser cutting or laser engraving requires the use of specialist laser cutting machinery which is operated by skilled engravers and laser cutting engineers. Professional laser cutting ensures your finished product is cut with utmost precision regardless on a variety of materials such as plastic, acrylic, polycarbonate, plywood, veneers, cardboard,

MDF other types of wood, fabrics such as magnet sheets leather, rubber foam, metal, stone, glass and many other materials. Laser cutting is predominately used in manufacturing industrial products but it is becoming increasing popular amongst hobbyists, business cards, promotional or marketing artwork, schools, gallery events and exhibitions, jewellery, leather books, life size figure cut outs and many other non industrial applications.

The laser cutting image pattern or design is normally designed drawn and programmed on a laser cutting computer which is directly linked to the laser cutting machine so that the laser cutting can be precisely mapped out and cut out to the exact specification. The laser cutting machine will output a high power laser onto the material so that it either burns, melts, vaporises, or blown away to leave a smooth clean cut edge with a high quality finish. Some laser cutting companies allow you to use your own laser cut drawings or designs for cutting if you have a specific image or design specification in mind or they may offer design services by qualified and experienced CAD technicians who have the necessary skills to present you with multiple designs giving you an opportunity to see the work before agreeing and going ahead with the final laser cutting process. Laser engraving is similar to laser cutting but instead of cutting out a shape or hole, it imprints text or images to the material.

There are different types of laser cutting such as CO2 for boring cutting scribing or engraving, Nd-YAG is used for when an intense output power is required as well as for boring and engraving. Nd laser cutting is common for when high energy and repetition laser cutting is required.

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