

Information Brochure



HUNT LASERCUT

QualityServiceSatisfaction





*Laser cutting since
1992.*

Quality

Service

Satisfaction



Hunt Lasercut have been in business since 1992, providing a versatile laser cutting service to a wide range of industries.

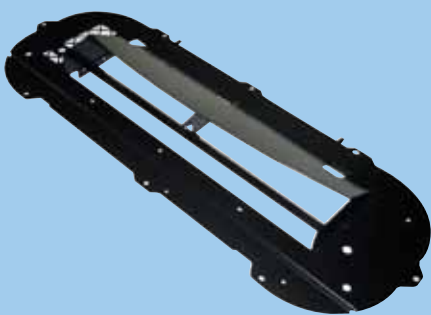
These include, shopfitting, architectural, automotive, marine, display, agricultural and commercial machinery, climate control systems, sheetmetal and general engineering.

In July 2003 we purchased our latest Bystronic machine. This machine utilises the latest in rotary axis technology, for the processing of simple and complex contours in pipe, tube and RHS.

Hunt Lasercut can quote to supply your parts including material. We stock a wide range of mild steel and stainless steel, sheet and plate. We will also order specific materials such as aluminium, acrylic and MDF for your requirements.

Our sheetmetal division can fabricate your components and we can also arrange for coatings such as zinc plating, EDP, galvanising or powder coating.

We pride ourselves on our quality and service, competitive pricing and customer satisfaction.





OUR LASER CUTTING MACHINES

Latest in Laser Cutting technology.



We have 3 CNC Laser Cutting machines:

1 - Bystronic Bystar 4kW Laser Cutting Machine with Rotary Axis for pipe, tube & RHS.

Bed Size - 1500mm x 3000mm, complete with automatic sheet loader and transfer table.



2 - Bystronic Bystar 4kW Laser Cutting Machine.

Bed Size - 1500mm x 3000mm, complete with automatic sheet loader and transfer table.



3 - Laserlab Arrow Laser Cutting Machine.

Bed Size - 1500mm x 3000mm, complete with transfer table.



Additional to this is a 3 Ton capacity forklift & 2 overhead sheet lifters for materials handling up to 600kgs.





We can cut a wide range of materials.

OUR CUTTING CAPABILITIES

Mild Steel	Up to 16mm thick
Bisalloy	Up to 12mm thick
Stainless Steel	Up to 12mm thick
Aluminium	5005 up to 5mm thick 5083 up to 8mm thick
Acrylic	Up to 20mm thick
MDF	Up to 20mm thick



EDGE FINISH

Mild Steel	Smooth edge up to 12mm thick. Some edge surface roughness may be evident in thicker steel depending on grade of material.
Stainless Steel	Bright oxide free edge, slight hard burr on underside of stainless over 5mm thick.
Aluminium	Bright oxide free edge, slight hard burr on underside of aluminium over 4mm thick.
Acrylic	Smooth polished edge up to 20mm finish.
MDF	Smooth discoloured edge.

For information on materials not listed, please contact us.



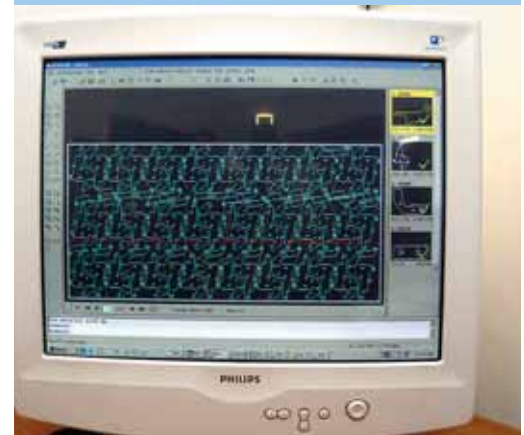
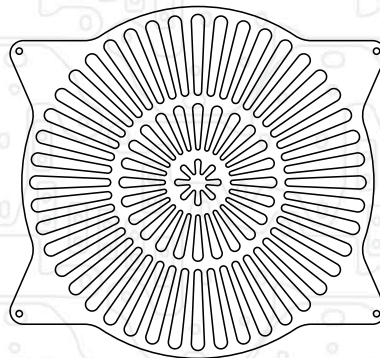
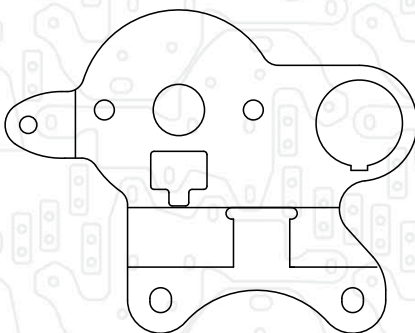
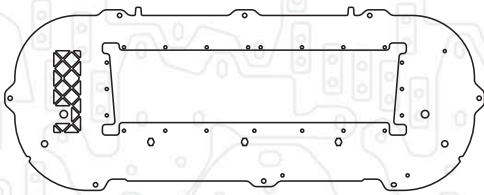
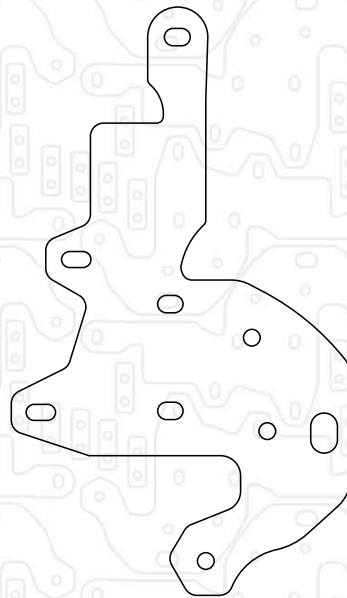
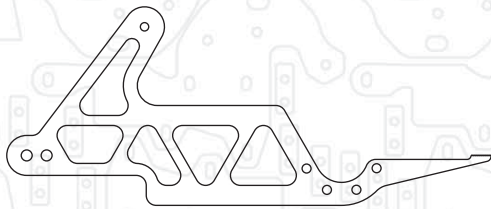
QUOTING AND PROGRAMMING

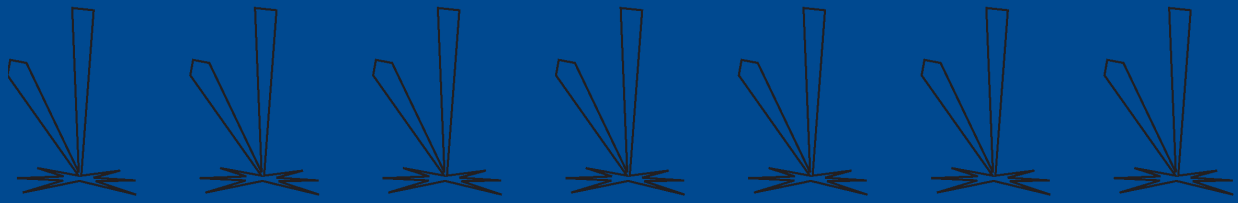
The innovative programming software we use is an integral part of our efficient cutting system. We can quickly program a single part or a fully automated nest of components.

Nesting enables us to achieve the maximum number of parts per sheet of material - thus eliminating unnecessary waste.

This saving is passed on to the customer, just email your .dxf or .dwg file to sales@laser-cut.com.au or fax your drawing to (03) 9551 2120 and we will quote you promptly and competitively.

Innovative and efficient software for automated nesting of parts.





We can supply complete fabricated & coated components.

SHEETMETAL FABRICATION

With the sheetmetal capabilities of Hopleys, we are able to supply complete components for our customers. We can have parts fabricated after laser cutting including folding and welding as well as countersinking and tapping of holes.

We can also assist in the development of your parts for fabrication and arrange for zinc plating, EDP, galvanising or powdercoating of components if required.

HOPLEYS EQUIPMENT

Guillotines

1-3000mm x 3mm
1-4000mm x 6mm

Press Brakes

200 Ton 3100mm x 8mm thick
120 Ton 3600mm x 5mm thick
80 Ton 2100mm x 3mm thick
25 Ton 1200mm x 3mm thick

Turret Punch

30 Ton - 1200mm Throat

Welding

Mig, Tig, Arc, Stainless,
Mild Steel, Aluminium & Inconel

Overhead Crane

6 Ton Capacity

Forklifts

3 x 3 Ton Capacity

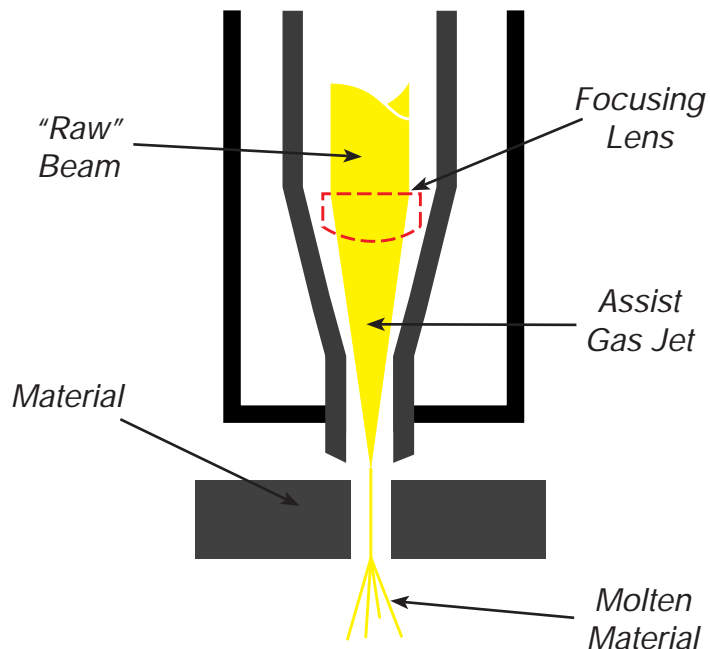




ADVANTAGES OF LASER CUTTING

- Technically superior to other cutting processes
- Precision high quality cutting at rapid rates
- Dimension accuracy and repeatability
- Non contact cutting process
- Minimal heat affected zone
- Narrow kerf (material cut away)
- No tooling costs
- Nesting of parts reduces material wastage
- Ability to program and cut complex profiles

HOW A LASER BEAM CUTS



Laser Cutting - The intense heat from the focused beam vaporizes a hole into the material. The pressure from a jet of assist gas helps to blow the molten material through the bottom and with relative motion a cut is produced.

Light

Amplification
by

Stimulated

Emission
of

Radiation





CONTACT DETAILS

For further information please contact us as per the numbers listed below.

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