



Sonnex has a long standing, good reputation of working with its customers to develop innovative, timely and low cost solutions to meet engineering and maintenance challenges.

Sonnex is increasing its capability to allow you to reduce your costs and meet your tight schedules by offering supply of quality laser cutting and precision folding of metalwork and components through our laser cutting division, Sonnex Laser.

Sonnex Laser now operates a Hako-Whitney 7kW laser cutting machine offering a flat bed cutting area capable of handling sheet steel up to up to 6m x 3m flatbed sheet size with a maximum thickness of 32mm mild steel, 32mm stainless steel, 15mm Aluminium, checker plate, and also manganese steels and Armourplate, Bisalloy grade steels.



Sonnex Laser provides significant advantages that will benefit our customers in fast turnaround times with precision cutting and reduced labour costs over plasma and other cutting techniques.

Sonnex will lasercut small quantities, with no minimum charges (except for specialist metals such as Armourplate & Bisalloy).

When coupled with our existing bending and folding capability of our Hako 3600mm x 155 Tonne 9 axis CNC Pressbrake can bend and fold up to 12mm x 3.6m, and ready access to stocks of sheet and plate, Sonnex Laser can supply production runs of lasercut and folded components within days of receiving a drawing from our customers.

Sonnex Laser enhanced laser cutting and profiling capability provides significant advantages over conventional processes such as Plasma cutting, Oxy Acetylene cutting and Turret Punching, such as;

- Faster Processing Times with economical part production
- Extremely Narrow Kerfs (cut widths) reduces waste
- Nested parts for economical use of material
- Minimal Part Distortion due to Thermal or Mechanical Interaction
- No initial or ongoing tooling costs with customer supplied DWG/DXF formatted drawings (eliminates expensive tooling set-ups)
- High quality cut - no finishing
- No secondary process costs (no burrs, raw edges, swarf or filing needed)
- Flexibility - simple or complex parts
- Non contact - no marks allowing for powder coating without adherence problems associated with plasma/oxy cutting
- Quick set up - small batches
- Accurate, repeatable cutting, Tolerance +/- 0.025mm up to 35mm
- Slot – Tab – Hole piercing for rapid assembly
- Cut edges are clean with fair curves, including tight angles leading to a point without damage to edges
- Part Numbering, Centreline marking, Engraving included at no extra charge – logos included
- Heat distortion is minimal – we will provide an initial sample for most items, free of charge
- Ideal for fast prototyping, with nesting direct from cad drawings in DWG/DXF format.
- Stable pricing structure, fixed costs.
- Fast turnaround times
- Delivered to your door in Adelaide Metro area when needed FIS
- Freight anywhere in Australia, at negotiated rates

Pictures are illustrative examples of laser cut components

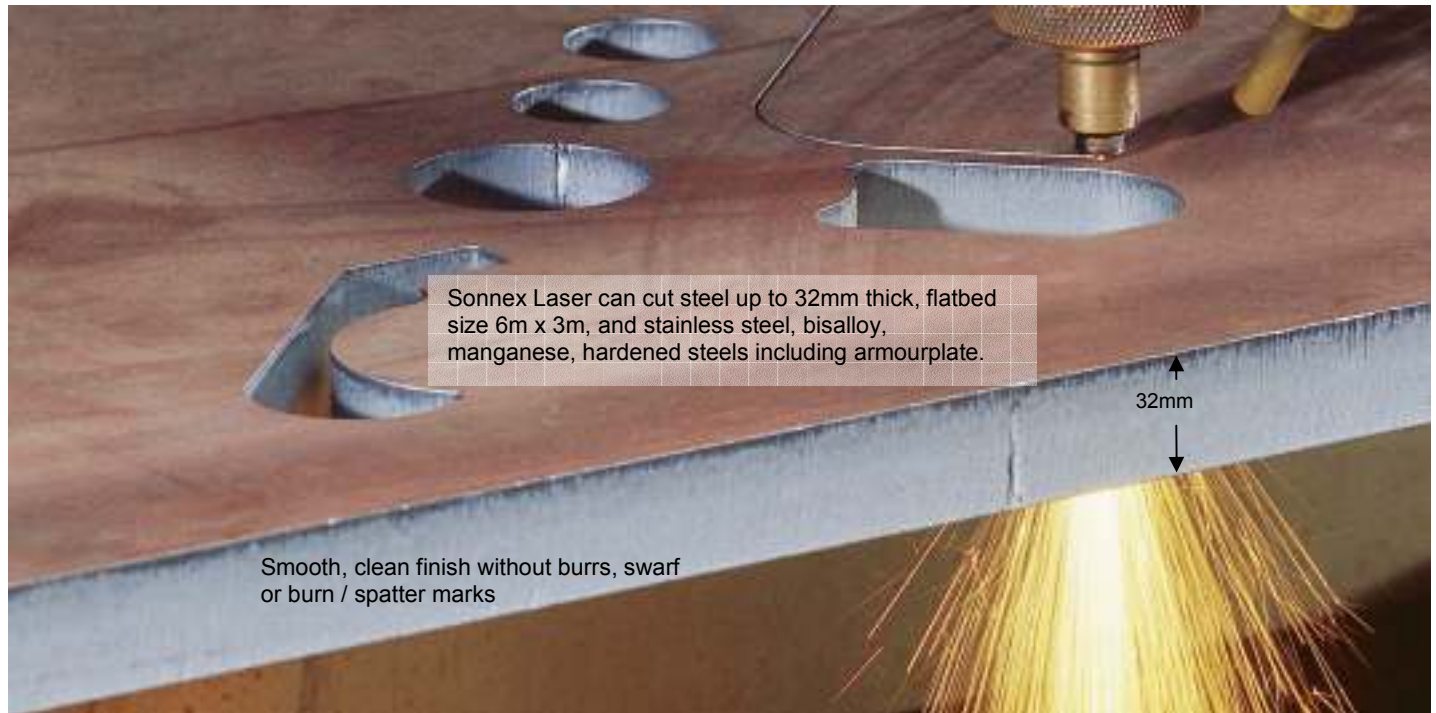


Sonnex Laser provides our customers with fast turnaround times for quotations and delivered products, with clean, precision cutting and reduced labour costs over plasma and other cutting techniques.

Serving People Who Appreciate Quality

Sonnex Engineering also offers the following range of cost effective engineering solutions and services for; Sheet Metal in all grades of steel and aluminium, using processes such as CNC, Folding, Fabrication, Pressbrake, Punch, Bending, and Cutting.

We offer rapid turnaround of quotations covering the flexibility of "make to order" fabrication for one offs, and prototypes through to low runs and/or high volume manufactured parts, and supply your needs on time and to budget delivered anywhere in Australia.



Shown below are some samples of laser cut components folded ready for powdercoating/painting/plating and assembly. The possibilities offered by laser cutting and folding are endless and offer the potential to save you time and money over existing suppliers and current methods of fabrication and assembly.



To request a quotation for laser/profile cutting and bending (if required) send your drawing (DWG/DXF is our preferred format) and contact details to laser@sonnex.com.au and we will provide a rapid quotation to suit your requirements.

We invite your Company to take advantage of our laser cutting and profiling capability to improve your business efficiency and bottom line. Please feel free to contact Jano Tuchyna on 0412 803 779 to discuss how we can help you.

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