



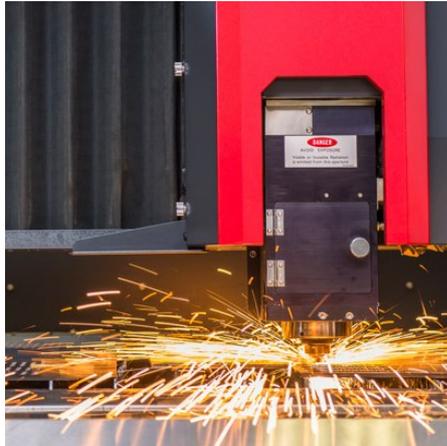
SEAL

Gasket and Sealing Solutions

LASER CUTTING

V-Seal now offer high quality Laser Cutting services to accompany our expanding production and manufacturing facilities.

Our state-of-the-art Fiber Laser improves lead times when processing Brass, Bronze and Copper as well as Stainless Steels and Alloys.



Service

To compliment our existing quick-turnaround services, V-Seal also offers rapid, high quality and cost effective laser cut parts to individual requirements.

Laser cutting allows for standard and bespoke component production without the cost and lead times typically found with pre-production 'tooling' for conventional manufacture. This makes laser cut parts ideal for 'one-off' prototyping and single-unit purchases as well as the batch processing of hundreds and thousands of parts.

Utilising Nitrogen Gas, the 'cut quality' is increased providing a cleaner finish and improved appearance, reducing the need for de-burring and grinding post-production.

With almost no limitation to the part complexity that laser cutting provides, we can produce detailed and intricate components with a very high level of accuracy.

Products

Laser cut products include; shims, washers, metallic gaskets, strip and pre-fabrication components found in a variety of industries.

Materials

Our Fiber Laser is capable of cutting and etching Brass, Bronze and Copper as well as Stainless Steels and alloys. We can cut a range of thicknesses from Shim Materials as thin as 0.0254mm up to plate metals at 19mm (grade dependent).

Design

Our CAD trained and qualified staff will produce a drawing which is then converted to a CNC format used by the laser machine for cutting. These drawings are created from your reference being either a simple description, PDF document or by measuring a provided sample. If you already have a CAD drawing already prepared in DXF format, we can convert your file and work with that too.

Laser Cutting Capabilities

Laser Cut parts can be cut from a variety of materials and thicknesses including these shown below:

Maximum Sheet Size

Length:	3m
Width:	1.5m

Materials

Thickness

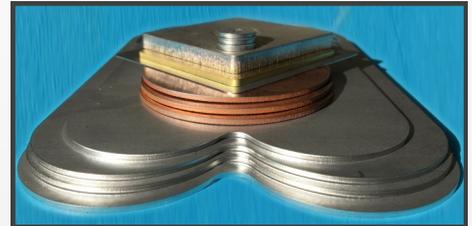
Mild Steel / CR4 / Soft Iron	19mm
Stainless	12mm
Monel	12mm
Duplex	12mm
Aluminium	10mm
Brass	5mm
Bronze	5mm
Copper	5mm

We are also able to cut Shim Steel material as thin as 0.0254mm (0.001").

More materials available on request.

Cut Quality

Different gases directly affect the quality of cut. We offer parts cut using Nitrogen and Oxygen.



The information contained in this technical data sheet are based on our experience to date and we believe it to be reliable. It is intended only as a guide for use at your own risk and discretion. We can not guarantee favourable results and assume no liability in connection with its use or the use of the products described. None of this information is to be taken as a licence to operate under, or a recommendation to infringe any existing patents. Prior to any application, the above product has to be tested and accepted by the processor.

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