

LASER CUTTING SERVICES

Spira Power offer a high quality Laser Cutting service which accompanies 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 the usual range of Carbon Steels Stainless Steels and exotic Alloys.

We laser cut from 0.010mm thick in stainless steel, carbon steel, brass, phosphor bronze, aluminium and nickel alloys up to 20mm thick Stainless Steel

Laser-cut parts can be supplied in quantities as small as one piece up to 1,000's. of pieces.

We are committed to delivering the results that are not only accurate, but appealing as well. By making use of the advanced laser cutting technology, we aim to provide reliable industrial grade solutions for metal fabrication and engraving, producing the smoothest edges and finest designs that do not require any kind of post-processing.

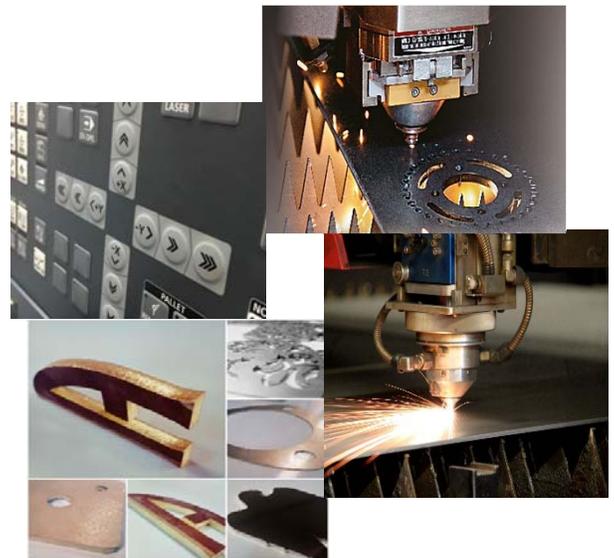


*Eliminate
Re-Work and IMPROVE
the Efficiency
of your
Operations*

ADVANTAGES	INDUSTRIES SERVED
High Efficiency	Power Generation
Low Cost	Lighting
Accurate Size	Transportation
Save Material	Filtration
Automated Manufacturing	Food Processing
Mass Cutting	Pumps and Valves
Wide range of Materials	Electronics
Suitable for Complex Designs	
Does not Change Material Properties	

MATERIALS WE CAN CUT	
SS Sheet	0.2 -12.0mm thick
MS Sheet	0.2 - 24.0mm thick
Brass Sheet	0.2 – 4.0mm thick
Copper Sheet	0.2 – 5.0mm thick
Aluminum Sheet	0.2 – 6.0mm thick

LASER CUT GASKET APPLICATIONS	
HVAC Gaskets	Water Well Gaskets
Container Gaskets	Battery Cap Gaskets
Automotive Gaskets	Electric Transformer Gaskets
Roller Gaskets	Jar and Bottle Gaskets
Marine Gaskets	Non-Conductive Insulation Gaskets
Appliance Gaskets	Filtering Gaskets
Anti-Vibration Gaskets	Wiper Gaskets
Coupling Gaskets	Hydraulic Gaskets
Filter Gaskets	Oil Well Gaskets



- Dimensional accuracy: $\pm 0.10\text{mm}$
- Laser incision: 0.2mm
- Material thickness: $\pm 0.05\text{mm} - 35\text{mm}$
- Maximum stroke: $1500\text{mm} * 3000\text{mm}$

NOTE:

The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control.

WATER-JET CUTTING SERVICES

Spira Power waterjet cutting services offers manufacturers flexibility that no other cutting process can offer.

Waterjet cutting can be used for a wide range of applications a can cut irregular shapes from almost any material with exception precision and edge quality. Curves, straight cuts, internal holes a lettering once cut by hand can now be cut in a fraction of the tir by waterjet machines.

Common hard materials such as mild and stainless steel aluminium, marble, granite and stone, laminated materials such brass and copper can be waterjet cut up to thicknesses exceedi 200mm as well as being able to quickly and accurately cut s material such as foam rubber, plastics, cork and leather along w many other such materials.

Spira power waterjet cutting services use computerized moti control software enabling the production of highly complex shapes as well as the capacity to cut large size materials up to 3.0mtr x 1.5mtr with an accuracy tolerance of +/- 0.1mm.



Advantages of Waterjets

- Versatility
- NO Material Distortion
- NO additional Finish Process
- NO heat affected zone
- NO hazardous waster

Spira Power providing CNC waterjet cutting services to a variety of SECTORS

Construction	Engineering
Marine	Industrial
Agriculture	Furniture
Automotive	Rail
Architecture	Aerospace

MATERIALS WE CAN CUT

Acrylic	Rubber
Aluminium	Silicone
Brass	Wood
Bronze	GRP
Carbon Steel	Granite
Ceramics	Iron
Composites	Limestone
Copper	Marble
Glass	Nylon
Kevlar	Stainless Steel
Leather	Titanium
Plastics	Acetal
Plywood	Composites
Polyethylene	Cork
PVC	Fiberglass



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