




A STRATCO COMPANY

A close-up photograph of a laser cutting head in operation. A bright, intense light is visible at the point of contact between the laser and the metal workpiece. Numerous bright, glowing sparks are being ejected from the cut, creating a dynamic and industrial scene. The background is dark, emphasizing the bright light and sparks.

Cutting complexity together

Laser Cutting
Fabrication
Bending and Folding
Prototyping
Design and Engineering



Laser 3D cuts complexity out of your manufacturing process

WHO WE ARE

Laser 3D is your premier precision metal cutting and fabrication partner, transforming manufacturing complexity into a competitive advantage.

With cutting-edge technology, a skilled workforce, and a commitment to quality, we deliver high-quality, cost-effective solutions tailored to meet the needs of our clients across a variety of industries. Our expertise spans from initial design to manufacture and delivery of finished product, ensuring the highest standards in every step of the process.

Offering a wide range of services, we provide local knowledge and service backed by a unified national operation ensuring certified quality results, every time.

Whilst we are ready to meet your immediate component needs, we can offer much more. As a strategic manufacturing partner, we can help you optimise your production process with our comprehensive capabilities, industry experience and knowledge.

We have an international reach with branches across Australia and [New Zealand](#).

As a Stratco company we have the backing and support of Stratco, a respected manufacturer of steel products for over 75 years. Stratco has state-of-the-art manufacturing facilities in all mainland states of Australia and New Zealand along with a network of home improvement stores throughout the country.



WHAT WE DO

1. Design & Engineering Support:

CAD Design Support: We offer CAD design assistance, ensuring that all parts are optimised for laser cutting and fabrication. Our team works closely with you to translate your ideas into digital designs.

Reverse Engineering: We can work from existing physical components to create CAD models for laser cutting or fabrication.

Material Selection Advice: We provide expert recommendations on the best materials for each project, based on application, budget, and aesthetic preferences.

2. Prototyping & Production Runs:

Prototyping: We can assist you in developing designs and prototype parts for new products or enhancing existing designs with our in-house designers. Our laser cutting services allow for fast iterations and minimal setup costs.

Production Runs: Whether small or large batch productions, we provide cost-effective manufacturing for orders of any volume. Our process optimises material usage, reducing waste and lowering your material costs.

3. Laser Cutting:

Utilising world class equipment operated by our highly skilled and trained team we will ensure that your order is checked, counted, packed, and labelled as requested by you, or in accordance with our own internal standards.

2 Axis Laser Cutting: Our state-of-the-art laser cutting machines provide high precision with tight tolerances.

5 Axis Laser Cutting: provides the ability to move the laser cutting head through any position and direction. This enables us to cut the most intricate and complex designs accurately and efficiently – saving you time and money.

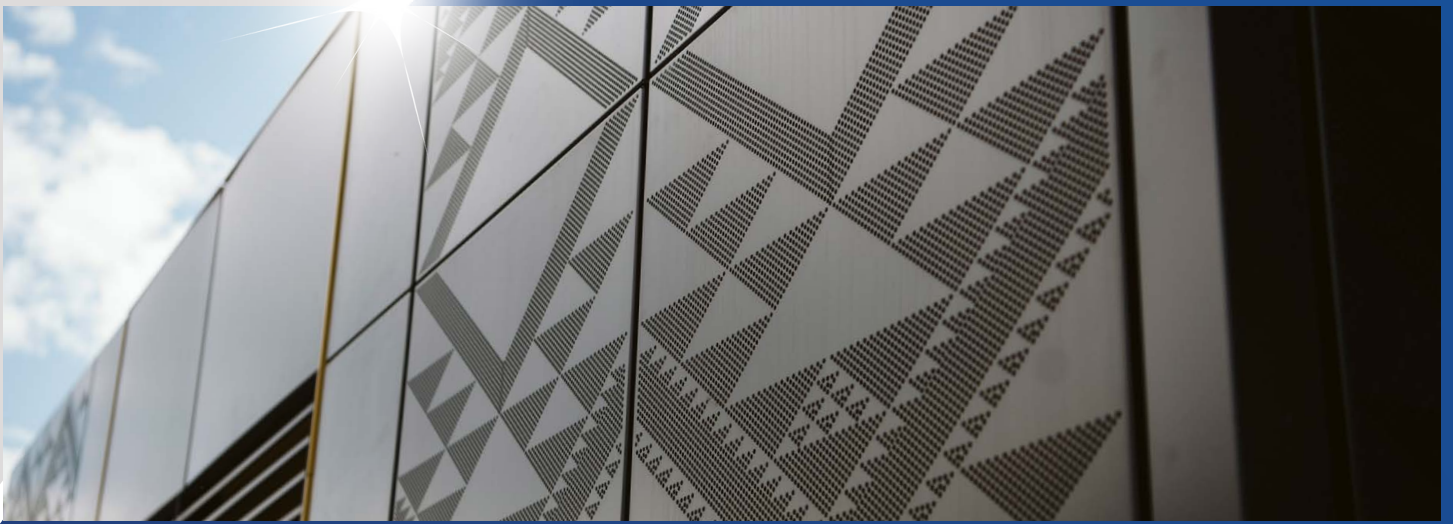
Tube Laser Cutting: allows us to cut tube, RHS, Angle and C channel to your design and requirements. Capabilities include bevel cutting up to 45°, angled cuts, slots and etching in mild steel, stainless steel and aluminium.

Material Types: We work with a wide range of materials including:

- | | |
|---------------------|-------------------------------|
| • Mild Steel | • Galvanised Steel |
| • Zinc Coated Steel | • Stainless Steel |
| • Tempered Steel | • Australian & European Steel |
| • Titanium | • Aluminium |
| • Brass | • Copper |

Thickness Range: Our laser cutting services are available for sheet materials from thin gauge (0.5mm) up to thicker plates (up to 25mm or more, depending on material type).

Cutting Technology: We utilise high-powered CO₂ and fibre laser systems, capable of cutting complex designs, detailed patterns, and intricate shapes.



4. Sheet Metal Fabrication:

Bending & Folding: Our CNC press brakes allow us to form and bend complex parts to the most precise angles and radius. Due to dynamic adjustment, programmable back stops and blades, accuracy and repeatability are achieved with ease. Our folding tolerances are very high providing you with consistent, quality outcomes – job after job, after job.

Welding: We offer robotic and manual MIG, TIG, and spot-welding services for custom assemblies, ensuring structural integrity and a clean finish. Our robotic welding allows us to weld complex parts in large volumes. The high quality of the weld beads means that little or no dressing is required – saving you money.

CNC Machining: Our CNC milling machines provide state of the art precision and accuracy to mill your components the highest standard. We can provide drilling, tapping and chamfering of your laser cut components or machine components from billet material.

Stamping & Punching: We offer high-speed stamping and punching services for producing precise holes, slots and other shapes.

Metal Rolling: We also provide cold metal rolling services for creating cylindrical shapes or curves from sheet metal up to 12mm thick.

Deburring & Finishing: After fabrication, we provide deburring and finishing options. Finishing removes any burrs or surface defects to achieve a clean uniform surface. The machines are also capable of edge rounding which allows powder coating to adhere better and leaves parts edges soft to the touch. This is a preferred finish for parts that are zinc-plated, or powder coated as it creates a stronger bond between material and coating due to the radius edge. This quality of finish is likely to give you an edge over your competitors with an inferior finished product.

Fabrication & Assembly: We have skilled tradespeople and clean, dedicated areas to offer a fabrication and finished product service. To protect the high grade finishes we achieve we can also offer custom made packing.

Other Services: We can assist further – cutting the complexity out of your manufacturing process including chamfering, fastener inserts, drilling, tapping, countersinking and powder coating. In addition, our integrated manufacturing solution provides effective logistics distribution direct to you. As part of the Stratco group of companies we can access the additional manufacturing capabilities that exist within that organisation both locally and internationally. If we do not have the ability to offer the services you need in-house we can work with a network of vendors to help deliver the product you require.



WHY CHOOSE US?

Laser 3D delivers precision laser cutting solutions that transform your manufacturing challenges into competitive advantages.



A Stratco Company: Backed by a company that continues to be a leader in steel product manufacturing with over 75 years of experience.



Expertise: Decades of combined experience in the laser cutting and sheet metal fabrication industry.



National Scale: Access consistent, high-quality engineering solutions across Australia and New Zealand.



Advanced Technology: We use the latest equipment and software to ensure high precision and efficiency.



Customisation: We offer highly customisable solutions to meet your requirements, regardless of size or complexity.



Focus on Safety: Safety in the workplace is not just a priority, it is part of our culture, we want and expect everyone to return home safe, our team members, contractors, suppliers, customers and visitors.



Accreditation: We are ISO 9001 Certified to international standards for quality management systems, ensuring a consistent approach to quality in all projects. We also have JOSCAR-AU supplier accreditation.



Fast Turnaround: With our advanced machinery and skilled staff, we can deliver projects quickly without compromising on quality.



National Buying Power: Experience the competitive advantage offered with our access to leading national material suppliers.



Customer-Centric Service: We work closely with you, offering design assistance, advice, and ongoing support. We have dedicated technical sales representatives on the road and office-based customer service teams ready to help.

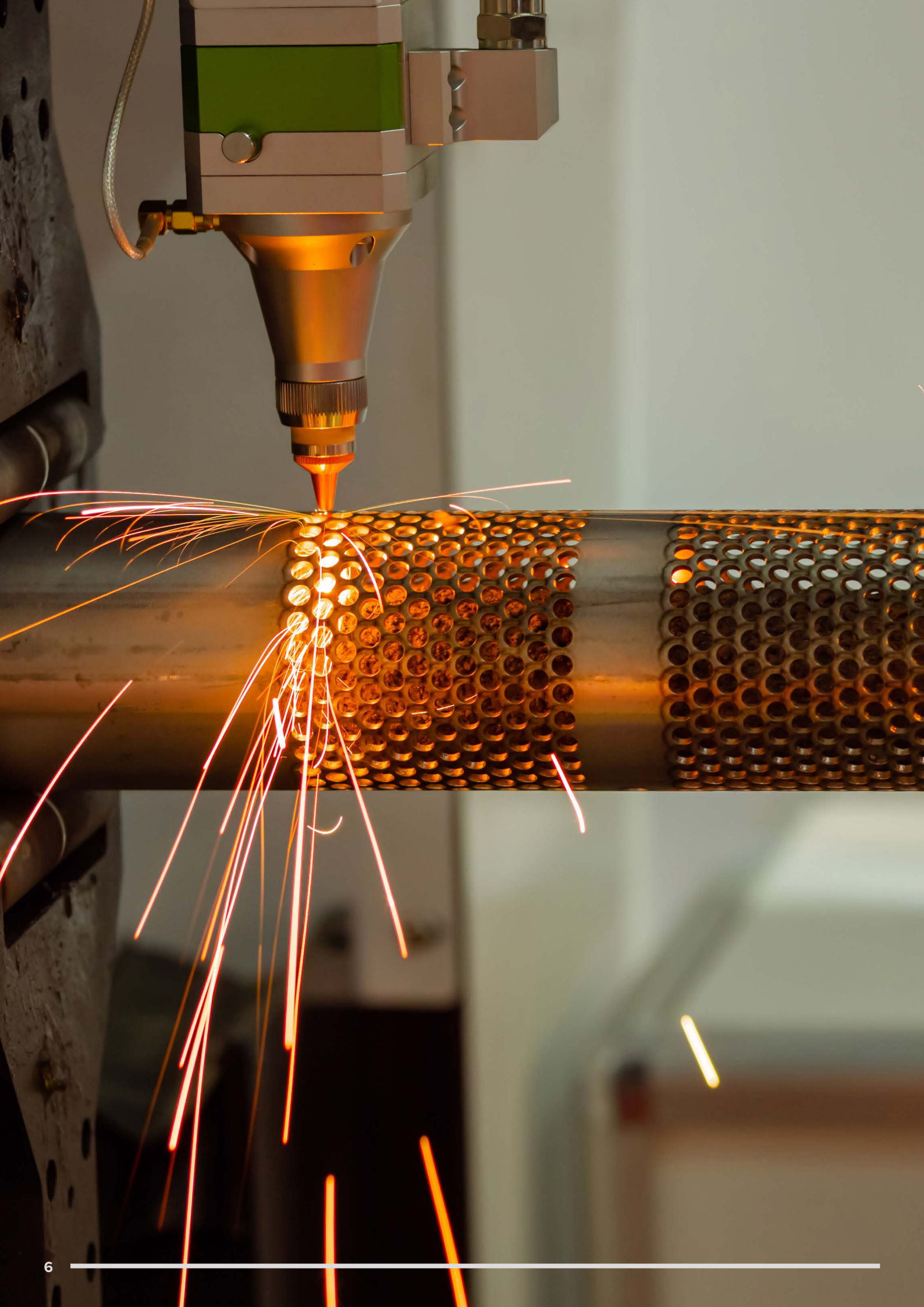


Material Availability: We maintain a large stock holding of steel to meet your immediate requirements.

“

Excellent quality stainless steel laser cutting, prompt email communication, and my order was done within the week. Will definitely be back!

SAM





WHO WE WORK WITH

We team up with businesses across a wide range of industry partners. Here are just some examples:



Agriculture: broad acre farming equipment, livestock handling equipment, agricultural transport, grain handling, tillage equipment, viticulture, aquaculture, and sustainable agriculture.



Automotive: engine components, brackets, load guards, aftermarket automotive accessories, cooling systems, racking, bars, towing, protective equipment. We also can assist with specialist vehicle fit outs including emergency services vehicle and ute fit-outs, canopies and bodies.



Aerospace: Precision aerospace components requiring high standards of quality and material integrity.



Artwork and Signs: decorative screening, retail fit-outs, art facades, sculptures, and street art.



Construction: structural steel, HVAC components, decorative screening, base plates, facades, brackets, doors and windows, fencing, walkways, scaffolding, earthmoving equipment, concrete moulds, and other custom construction elements.



Defence: defence transport, electronics, explosive management, and storage.



Electronics: Switchboards, metal enclosures, heat sinks, plates and other electronic component parts.



Furniture (including outdoor): custom metal parts, frames, screening and bracketry and decorative elements for the furniture industry.



Government & Council: water treatment, waste management, amenities signs, street lighting, correctional services, bollards, fencing and play equipment.



Heavy Transport: dollies, flat tops, tippers, custom truck art and hydraulic tanks.



Marine: winches, pontoon components, trailers, cleats and plates and air flow equipment.



Material Handling: conveyor equipment, racking, crates and transport stillages.



Medical: components for medical devices and surgical instruments, lab equipment.



Mining: sacrificial wear plates, core trays, geo science and testing and ventilation systems.



Retail/Consumer Goods: custom signage, product displays, shelving and decorative items.



CASE STUDY

Customer: Trailer Manufacturer

Project: Manufacturing Cost Decrease

Material: 2.1mm Aluminium Checker Plate and 3.0mm mild steel

Customer's Requirements:

Laser 3D was approached by a long-term customer to collaborate on a cost reduction exercise. The customer was experiencing tightening market pricing pressures, particularly from competitor's imported products.

Once Laser 3D had a complete understanding of the customer's product, we recommended slight design changes. These minor design changes had a major impact. By making some very minor dimension changes, Laser 3D could achieve one extra panel per raw sheet on the laser bed. This provided an immediate material cost saving to the customer. As a consequence, the local manufacturer remained competitive with an Australian built product, ensuring ongoing sales growth and business profitability.



CASE STUDY

Customer: Stratco Australia

Project: New Generation Outback Gable

Material: 0.5mm, 1.0mm, 1.2mm galvanised steel, 2.0mm and 3.0mm mild steel

Customer's Requirements:

The R&D department at Stratco developed a new innovative design for the Stratco Outback® Gable patio. A key element of the new product was easy installation and intuitive bracketry that enhanced its clean, seamless design. The industrial designers worked with Laser 3D as part of a back-and-forth collaboration to iterate through concept to design and manufacture.

The R&D team were impressed with the quick turnaround and quality product offered by Laser 3D. This support was certainly needed as over 150 distinct parts required several iterations of prototypes and subsequent testing. Etching was required for indicating bend lines and integrating id codes. The development project is now complete and Stratco are now supplying a market leading patio product that relies on components cut, etched, and folded by Laser 3D.



OUR EQUIPMENT

Laser Cutting Machines: High-powered CO₂ and fibre lasers with advanced automation for fast, accurate, and clean cuts.

CNC Press Brakes: Precision CNC-controlled bending equipment for accurate sheet metal forming.

CNC Punch Presses: Fast and efficient punching equipment to produce a wide variety of shapes, slots, and holes.

Welding Stations: MIG, TIG, and spot-welding machines for robust, high-quality welds.

Deburring Machines: Automated systems to remove sharp edges and create smooth finishes.

CNC Routers: For cutting, engraving, and drilling non-metal materials, such as wood and plastic.

Our People: the best in the business with a wealth of experience and care to support you and your requirements.

OUR CREDENTIALS

- **ISO 9001 Certified:** We adhere to international standards for quality management systems, ensuring a consistent approach to quality in all projects. We apply quality management principles from receipt of order through to delivery of finished goods.



- **JOSCAR-AU Registration:** We have satisfied all necessary requirements to become fully registered on the Joscar-AU supplier accreditation register.



- **Material Certification:** We provide certifications for materials used in production, ensuring traceability and adherence to industry standards.

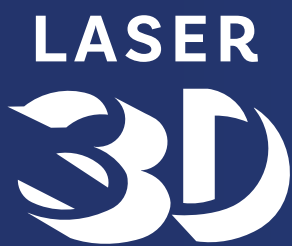
- **Inspection & Testing:** All parts undergo thorough inspection, including dimensional and tolerance checks and material testing, to meet or exceed customer specifications.

“

We have been getting our laser cutting and CNC folding done by Laser 3D for almost ten years and I cannot recommend them highly enough. Super helpful team, attention to the smallest details and really good quality parts.”

BEN GUILFORD





A STRATCO COMPANY

VICTORIA

25-29 Arctic Court
Keysborough VIC 3173

03 8710 4100

salesvic@laser3d.com.au

QUEENSLAND

25 Stephens Way
Luscombe QLD 4207

07 3287 2880

salesqld@laser3d.com.au

NEW ZEALAND

ProMetal Industries

20 Logistics Drive
Harewood Christchurch 8544

03 384 4524

sales@prometal.co.nz

SOUTH AUSTRALIA

25 White Road
Gepps Cross SA 5094

08 8240 4888

salessa@laser3d.com.au

WESTERN AUSTRALIA

35 Hensbrook Loop
Forrestdale WA 6112

08 9399 5566

saleswa@laser3d.com.au

Davin Industries

11 Edison Place
Bromley Christchurch 8062

03 384 3099

sales@davin.co.nz

LASER3D.COM.AU

[in](#)