Precision Cutting was founded in 2004 and continues to be a privately owned and operated company specialising in quality steel plate processing. The company has evolved and grown to offer premium services to a wide range of industries, including the construction, manufacturing and agricultural sectors.

Owned and operated by Josh and Amanda O'Malley, who collectively bring over 27 years industry experience to the business. The company has developed and established an experienced team along with a robust management system to ensure that its commitment to quality and service can be consistent and reliable everytime.

Precision Cutting is renown for delivering consistent quality and cost-effective steel plate profiles to our customers. We rank amongst the most efficient steel plate processing companies in New Zealand and we are growing. In 2017 we relocated to our new premises in Ashburton, a purpose-built facility with the vision and foresight to deliver on our steel plate services with exceptional ease.

Our commitment is to quality and service. If you need steel plate of any shape size or form, we are the team you need to be talking to. Our services include but are not limited to, supplying steel profiles to the manufacturing, construction, farming, forestry and general engineering sectors.

Team culture is vital in all businesses, and shouting our clients a surprise BBQ is something small we do to help foster fun and engaging relationships.

Keep an eye out for our rollin bbq, you never know when it might turn up to cook you lunch...
At Precision Cutting, we offer you an extensive service in cutting and processing steel plates with achievable lead times and cost-effective pricing. We have a cutting edge facility, purpose built for efficiency and ease. And are continually reinvesting in our equipment along with our technology and people.

We offer a range of steel plates in stock. With our steel stock being supplied by ACRS Accredited Mills allowing us to ensure the appropriate certifications are provided and your steel plate profiles adhere to New Zealand Standards, along with our high expectations of quality.

We work with and supply steel plate profiles to a diverse assembly of industries, consistently processing a comprehensive range of steel efficiently and accurately, so you can get on with your job.

We make it simple for you. Just provide your drawings and we can get started with our CAD specialists.

**Industries We Service**
With our focus placed on quality performance, production and precision we service the following industries:

- Construction & civil
- Agricultural & farming
- Manufacturing
- General & custom
What We do

**Steel Plate Services**
We provide all steel plate processing services, including brake pressing, drilling and tapping to highly customized cutting, including plasma cutting, bevel cutting and flame cutting. With our knowledge and expertise, we can help you fabricate and assemble with ease and accuracy. We offer efficient, local and affordable processing services. With the ability to handle plates up to 15m x 3m.

**Including:**
- Plasma Cutting
- Laser Cutting
- Oxy-Fuel Cutting
- Bevel Cutting
- Drilling & Tapping
- Brake Pressing
- General & Custom

All of our staff have the appropriate training and accreditation for plate handling, machinery & operations, including our 10-ton cranes and forklifts. This helps with the ease and movement around our purpose-built facility.

**Construction & Civil**
Working in collaboration as an extension to your team. We understand being responsive, delivering on service and producing a high-quality profile to specification, all within an agreed timeline is key. Not only to ensure your project can run smoothly but to ensure that you have all the appropriate documentation to match the work we do.

**Agricultural & Farming**
We know that accuracy and quality is important to you along with delivery. We promise to work with you on the best outcome to ensure your production line is not hindered.

**Manufacturing**
Working together to ensure that supply of your materials is within specification and timeline. We commit to good quality, traceability and the appropriate accreditation for your project.

**General & Custom**
We will work with you to produce what you need. That includes any custom profile you want. Full plate sales and Auto CAD Drawing Services are available on request.
This machine offers a very economical system of cutting materials in one setup and with less wastage.

We also have the PROARC 4200 (Plasma & Profile Cutting machine) Our PROARC 4200 can be programmed to cut any shape or size within the limitations of our steel sheet sizes.

Plasma Cutting

Our Kinetic K4000 multipurpose plate processing machine can cut a wide range of materials at a greater thickness while incorporating a variety of machining operations including drilling, tapping, and bevel cutting allowing parts to be finished in one setup with little to no re-jigging or work holding devices necessary.

Kinetic K4000 Specifications & Capabilities:
- Hypertherm HPR 400XD Plasma power source
- Plasma Cutting mild steel up to 60mm
- Cutting size of 15.4m x 3.2m
- Drilling up to 55mm diameter
- Fully rotation 360 degree bevel head producing bevels up to 45°
- Bevel Cutting to 60mm
- True-Hole cut capabilities for improved hole and edge quality

Specifications & Capabilities:
- High Definition 275 amp plasma
- Cutting Size 13m x 3.2m
- Plasma cutting up to & including 32mm plate
- Oxy-fuel cutting

Other Materials Our Machinery Can Cut:
- Corten Steel
- Aluminium
- Stainless Steel
Laser Cutting

To enable us to be at the forefront of the industry and allow us to enter into new cutting markets, we recently added a Penta 6KW fibre laser cutter to our range of services. This machine is another great example of our commitment to remaining at the forefront of the industry and the ongoing investment into our company and long term sustainability.

Penta 6kw Fibre Laser Specifications & Capabilities:
- Cutting bed (length * width) 6000mm 2500mm
- Cutting capacity up to 25mm mild steel
- 12mm Stainless Steel
- 12mm Aluminium

Materials Our Machinery Can Cut;
- Mild steel
- Stainless steel
- Corten
- Aluminium
OxyFuel Cutting

We offer oxy-fuel cutting facilities across both our Kinetic K4000 & Proarc 4200 machines. We predominately Oxy Fuel cut plate thicker than 60mm.

Specifications & Capabilities:
- Oxy fuel cutting mild steel up to 200mm

Bevel Cutting

Our Kinetic K4000 can cover your entire bevel cut requirements up to 60mm plate.

We offer a range of bevelling solutions including Knife Edge Bevel, Variable Bevel, Bevel with Landing & K Bevel.

Specifications & Capabilities:
- 400 Amp High Definition Plasma
- Bevel cut on plate up to 60mm
- Up to 45 degree bevel top to bottom
- 360 degree bevel head rotation
Drilling & Tapping

Our Kinetic K4000 is designed to perform a variety of machining operations allowing parts to be finished in one process without double handling.

Specifications & Capabilities:
- Drilling Mild Steel up to 55Ø
- Tapping Mild Steel up to 24mm
- Drilling Q&T up to 42dia
- Tapping Q&T up to 24mm
- Select countersinking & counterboring
Brake Pressing

Our Dener 300t press is capable of pressing 12mm mild steel plate up to 3,000mm (3m) long. We have a wide range of tooling options to match your required specifications.

With our knowledge and expertise, we’ll enable you to fabricate and assemble with accuracy and ease.

Specifications & Capabilities:
- Maximum tonnage 300t
- Maximum bending length 4,150mm (4.1m)
- Distance between columns 3,600mm (3.6m)
- Throat depth 500mm
- Plate Rolling and non-standard brake pressing available in conjunction with our sub-contractors.
## Structural Plate

**G300 L15 Mild Steel:** (Precision colour code: Blue)

<table>
<thead>
<tr>
<th>Specification</th>
<th>GRADE 300</th>
<th>GRADE 350</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS/NZ 1594 HA300</td>
<td>AS/NZ 1594 HA350</td>
<td></td>
</tr>
<tr>
<td><strong>Yield Strength</strong></td>
<td>300 MPa</td>
<td>350 MPa</td>
</tr>
<tr>
<td><strong>Tensile Strength</strong></td>
<td>430-510 MPa</td>
<td>450-550 MPa</td>
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### Supplied Conditions:

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**G350 L15 Medium Tensile:** (Precision colour code: Pink)

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</table>
**High Strength Plate Grade 80**

**Description:**
A high strength quenched and tempered plate, Grade 80 is approximately three times stronger than mild steel.

**Supplied Conditions:**

<table>
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<tr>
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<th>Strenx 700 MC</th>
<th>Bisalloy 80</th>
<th>NSSMC Welten 780E</th>
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<td><strong>Yield Strength</strong></td>
<td>700</td>
<td>690</td>
<td>686</td>
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<tr>
<td><strong>Tensile Strength</strong></td>
<td>750 - 930</td>
<td>790 - 930</td>
<td>785 - 932</td>
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<tr>
<td><strong>Elongation (16mm)</strong></td>
<td>15% min (3mm)</td>
<td>18%</td>
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**Size Range:** (Precision colour code: Red)

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<td><strong>Bis80/Welten 780</strong></td>
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</table>

**Note:**
All mill test certificates available on request

**Weight Calculation:**
Kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85
Wear Resistant Plate Grade 450

**Description:**
Abrasion resistant steel plate which has a longer life expectancy than mild steel.

Abrasion resistant plate offers high resistance to both wear and impact applications.

This can be a cost effective choice for equipment subjected to high levels of impact wear.

**Supplied Conditions:**

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<tr>
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<th>GRADE 450</th>
<th>Bisalloy 450</th>
<th>NSSMC Abrex 450</th>
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<tr>
<td>Elongation (%)</td>
<td>14%</td>
<td>25%</td>
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</tr>
<tr>
<td>Hardness (HB)</td>
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<td>410-490 (aiming 450)</td>
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**Size Range:** (Precision colour code: Orange)

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**Weight Calculation:**
Kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85

**Note:**
All mill test certificates available on request
Mild Steel Chequer Plate

**Description:**
AS/NZ 1594:2002 HA1

Different plate patterns are available depending on source

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**Size Range:** (Precision colour code: Green)

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</tbody>
</table>

**Note:**
All mill test certificates available on request

**Weight Calculation:**
Extra weight of chequers length (m) x width (m) x 2.1 = kg/plate

Total weight: length (m) x width (m) x thickness (mm) x 7.85 + extra weight = kg/plate
Atmospheric Corrosion Resistant

Description:
SPA-H (Weathering Steel)

Size Range: (Precision colour code: Purple)

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Note:
All mill test certificates available on request

Weight Calculation:
Kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85
Discover Precision. Contact our team today:

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