

# Capability Statement



## Who we are

PRP Manufacturing (Process Rubber and Plastics) was founded in 1991 and is the leader in custom engineering solutions using advanced CNC cutting technology. Located in Dudley Park, South Australia, PRP's facilities feature a modern manufacturing plant built upon lean methodology, adaptable workflows, and MRP software created in-house to manage production efficiency and performance. PRP exists to create value for its customers, and is underpinned by a creative mindset, a love to learn, passion for excellence, and a commitment to each other.

## Why we are different

What makes PRP unique is the way we do things. PRP has a long-term strategic vision underpinned by innovation and progressive company values, providing a workforce highly adaptable to change. PRP has a key focus on supply chain strength, ensuring all key suppliers are trusted, compliant and accountable for all related products and materials. PRP also strives to innovate, with an on-going development of in-house software to manage and improve operational and production processes. PRP is ISO 9001 quality certified.

## Capability

### Machinery

PRP has extensive CNC flatbed cutting capability.

- **Waterjet.** Powerful cutting capable of profiling strong and thick materials.
- **Milling.** Advanced 5-axis capability for complex shapes and profiles.
- **Laser.** Intricate profiling focusing on thinner materials and substrates.
- **Knife.** Fast and efficient processing for rubber, sponges and foams in low and medium volume.
- **Die Press.** Automated knife cutting for high volume production.
- **Fabrication and assembly.** Dedicated adaptable assembly stations for bespoke projects.
- **Design & engineering.** Autodesk suite and 3d-printing for prototyping.

### Advanced materials

PRP sources global leading materials addressing the following:

- **Heat transfer.** Materials with both high and low thermal conductivity.
- **Sound.** Materials addressing sound dampening and attenuation.
- **Electro-static discharge.** Materials with anti-static properties.
- **Transmission.** Materials addressing specific radio frequency (RF) absorption.
- **Temperature.** Materials capable of withstanding temperatures from -100°C up to +1000°C
- **Chemicals.** Sealing mediums capable of a withstanding a wide range of chemical variants.
- **Energy.** Materials capable of various energy and impact absorption.



### ▶ Contact us

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## Solutions

### Custom components

PRP's machinery and material capability enables the cutting and fabrication of a wide variety of custom components serving many customers and industry sectors. Examples include custom thermal insulation profiled parts for the HVAC industry, to high precision milled components down to  $\pm 0.01\text{mm}$  for Defence, to specialised micro CNC insulated components for use in electronic circuitry board assembly, and rugged brackets and jigs for mining, oil and gas.



### Protective packaging

Protectore is our brand that exists to achieve two things. To protect, and to store, assets that are important to you. PRP provides hard case and custom foam inserts solutions to suit a wide range of products and projects. PRP stocks leading hard case brands such as Pelican, Nanuk and Max, and high-quality foams specifically designed to address shock and impact. Hard cases can come complete with multi-tier designs, labelling, wheels, and even tracking solutions for the ultimate in asset protection.



### Gaskets & Seals

For over 30 years PRP has been a leading provider in custom gasket and sealing solutions. PRP's stocks varieties of rubber, cork, sponge, foam and fiber for bespoke gasket fabrication, and provides spiral wound (metallic gaskets) off the shelf. PRP's gaskets are compliant to a wide range of international standards, and diverse material selection allows for unique applications addressing concerns such as temperature, pressure and chemical resistance.



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