FIBRE COMPOSITES
SPECIALIST COMPOSITE FIBREGLASS

CAPABILITY STATEMENT
NOVEMBER 2026

CUSTOM COMPOSITE AND FIBREGLASS MANUFACTURING

YOUR DESIGN. BUILT IN COMPOSITE.

An Adelaide based, Australian owned, second generation manufacturer and established tier 3 supplier into tier 1 and tier 2 defence, resources and engineering supply chains. Around 90% of our work starts with a client's idea, drawing or both, and we take it through design, tooling and production under one roof.

1999	19+	15+	90%
Australian owned and operated since	Sectors serviced across Australia	Years supplying our longest standing clients	Of work starts from a client idea or drawing

WHO WE WORK WITH

- Tier one engineering and EPC contractors
- Defence primes and maritime suppliers
- Mining and resources operators
- OEM and product development teams
- Medical and scientific equipment teams
- Government and infrastructure buyers

MATERIALS AND PROCESSES

Fibreglass (GRP/FRP) · Carbon fibre · Aramid (Kevlar®) · Hybrid laminates · Hand lay-up · Vacuum infusion · RTM

TALK TO US ABOUT YOUR PROJECT

1300 559 121
sales@fibrecomposites.com.au · fibrecomposites.com.au

WHAT WE MAKE AND SUPPLY

COMPOSITE PARTS MADE TO SPECIFICATION

Custom composite parts

Moulded housings, shrouds, covers, guards, enclosures, sandwich panels and assemblies made to specification.

Custom flat sheet

Flat sheet in fibreglass, carbon fibre, aramid (Kevlar®) and hybrid laminates, made to your thickness and layup.

Manufacture and finishing

Precision hand lay-up, vacuum infusion and resin transfer moulding (RTM), with trimming, bonding, assembly and fit-out to scope.

Sourced products

FRP and carbon fibre piping sourced to customer requirements, selected flat sheet, plus FRP grating and pultruded profiles cut and fabricated to suit.

HOW WE WORK

FROM IDEA TO FINISHED PART

01

Brief

Start with a concept, sketch, drawing, CAD model or sample.

02

Design for manufacture

In-house CAD, 3D scanning and 3D-printed prototypes. Specialist engineering arranged when required.

03

Tooling

Moulds made in-house to suit the part, or a client-supplied mould used where suitable.

04

Production

One-off prototypes, R&D and end-use parts, through to production runs in the hundreds.

REPRESENTATIVE EXPERIENCE

- Defence and industrial equipment housings
- Moulded components for corrosive environments
- Telecommunications enclosures
- Current: fibreglass engine-room panels for a South Australian rail client
- University project: full fibreglass hull for a single-person submarine, production starting early December 2026

Much of our defence work is under NDA, so client details are shared only where permitted. Some of our clients have been with us for more than 15 years.

19+ SECTORS SERVICED ACROSS AUSTRALIA

WHERE OUR PARTS GO TO WORK

We assess your drawings and specification, review manufacturability and tooling, and quote production to the agreed scope.

DEFENCE, LAND AND MARITIME

Equipment housings, radomes, covers, shrouds, lightweight parts and corrosion-resistant components to client specifications.

Aviation enquiries assessed case by case against supplier approval requirements.

MINING AND RESOURCES

Equipment stands and supports, ducting, guards, wear liners, covers and FRP access products built for harsh site conditions.

CIVIL AND INFRASTRUCTURE

Electrical pit boxes, covers, cable management components and FRP access products for engineering and utility projects.

Oil, gas and petrochemical

Containment parts, ducting, grating and walkways for specified service.

Chemical processing

Fume extraction ducting, scrubber parts, tanks and containment.

Water and wastewater

Pit and pump-station covers, tanks, baffles and sourced FRP piping.

Electrical and power

Pit boxes, equipment kiosks, enclosures and cable management.

Renewable energy

Weather-resistant enclosures and parts for wind, solar and hydro.

Transport and rail

Engine-room panels, vehicle body panels, rolling-stock interiors and ducting.

Marine

Marina components, buoyancy modules, decking and custom mouldings.

Telecommunications

Equipment enclosures, antenna covers and weather-resistant cabinets.

Medical and healthcare

Equipment housings, composite panels and imaging equipment parts.

Research and development

Patterns, moulds and prototypes in fibreglass and carbon fibre.

Architectural and construction

Cladding, bespoke GRP mouldings, facades and formwork parts.

Food and beverage

Machine guards, equipment covers and panels for washdown areas.

Automotive and motorsport

Carbon bonnets, doors, bodywork, trim, prototypes and low-volume tooling.

Agriculture

Troughs, bins, covers and moulded parts for feed handling.

Signage and large format

Dimensional signage, custom letterforms and outdoor displays.

Recreation and leisure

Moulded parts for pools, play equipment and public installations.

Engineering contractors

Start with a concept, CAD model, drawing or sample. Nominate your own specialist engineering provider if the part needs sign-off.

Government and utility buyers

Specify your asset requirements, documentation and acceptance criteria and we build and record to them.

MANUFACTURING CAPABILITY

METHODS, MATERIALS AND TOOLING

Methods	Precision hand lay-up, vacuum infusion (including VARTM) and resin transfer moulding (RTM).
Reinforcements and resins	Fibreglass (GRP/FRP), carbon fibre, aramid and hybrid laminates. Epoxy, vinyl ester and polyester systems selected to suit the specification.
Design and tooling	In-house CAD, design for manufacture, 3D scanning, 3D printing, prototyping and first-off review. Moulds made to suit, or client-supplied moulds used subject to condition.
Engineering	Specialist engineering or sign-off coordinated with a qualified external provider, including one nominated by the client.
Capacity and sizes	One-off prototypes through to production runs in the hundreds, with cycle time, batch size and delivery confirmed against the drawing and order volume. Standard 3,000 × 1,500 mm flat table; custom moulds made to suit.

QUALITY, SECURITY AND REGISTRATION

JOSCAR — In progress

Registration underway.

ISO 9001 — Early 2027

Quality management system implementation planned for early 2027.

DISP — Preparing

Preparation underway. Membership level set by the work package.

WHAT WE AGREE AT QUOTATION

Drawings and acceptance. Drawing revision, material spec, dimensions, tolerances, first article and inspection or test criteria.

Supply chain and delivery. Sub-tier requirements, external processes, lead time, packaging and change approvals.

Quality records. Material certificates, batch traceability, inspection records and certificate of conformity.

Security and information. Classification, transfer method and any security or export-control requirements before controlled drawings change hands.

TALK TO US ABOUT YOUR PROJECT

Matthew Arnold, Director

1300 559 121
sales@fibrecomposites.com.au
fibrecomposites.com.au

New workshop: 16 Goldsborough Road, Cavan SA 5094, ready by 1 February 2027. Visits by appointment, please confirm location during the move.

Composites Manufacturing Australia Pty Limited · ABN 96 127 945 868 · AllianceSA member · Defence SA industry directory