

Challenge Engineering manufactures high-volume custom CNC machined components to meet the needs of defence and other heavy industries. Our investments in technology-enabled smart manufacturing ensure we consistently deliver high-quality, Australian-made engineered parts for our customers.

Differentiators

AWARDED A DEFENCE GLOBAL COMPETITIVENESS GRANT 2021


- › Currently machining ESS Missile parts to meet Defence Sovereign Industrial Capabilities Priorities (SICP)
- › Highly qualified and experienced mechanical engineers
- › Established global supplier network for raw materials
- › Measurement inspection and first article reporting expertise
- › Continually improving business and production systems


Capabilities

- › **Volume:** Production runs up to 5000 parts
- › **Scale:** Parts up to 300mm diameter, 600mm length, 25kg
- › **CNC Machines:** Latest 5-Axis for tight tolerances and precision
- › **Materials:** Stainless steel, mild and high-intensive steel, aluminium, brass, bronze, plastic
- › **Expertise:** Mechanical engineers program machines
- › **Production:** Quick turn-around, 100% Australian made, national delivery

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Customers



KNORR-BREMSE

SCHAEFFLER



SWANSON
INDUSTRIES

Industries

- › **Defence:** Heavy-duty equipment, machinery, missile/vehicle parts
- › **Mining:** Robust hardened parts, built to last
- › **Transportation:** Diverse parts for rail, buses, trucks
- › **Oil/energy:** Pistons, valves, cylinders, heavy-duty parts
- › **Equipment manufacturers:** Custom parts at high volume