ALFRED LEWIS
ENGINEERING

Controlled precision machining for critical industrial components

www.alfredlewis.com.au
Braeside, Melbourne | ISO 9001

Precision parts | High speed machine components

Precision machined components

Capability statement

Finished, ready-to-use machined components for OEMs, machinery builders, maintenance teams and industrial equipment manufacturers.

Precision machined parts for high-speed machines

Repeat parts | Critical spares | Second-source supply | Controlled first batches | Inspection-backed machining |

Est. 1966 | ISO 9001 | Braeside, Melbourne | Australian component supply

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COMPANY OVERVIEW

Controlled precision component supply for industrial machinery

Alfred Lewis Engineering is a Braeside, Melbourne precision machining business supplying finished machined components to OEMs, machinery builders, maintenance teams and industrial equipment manufacturers.

ALE manufactures build-to-print production parts, repeat machined components, lifecycle replacement parts, critical spares and second-source components where fit, function, inspection discipline and repeatability matter.

- Shafts, pins, bushes, sleeves and collars
- Housings, flanges, covers and adaptors
- Rollers, pulleys, plates, brackets and frames
- Pump, valve, packaging, mining and vehicle components

CNC MACHINING CAPABILITY - Micron-level precision for critical industrial components.

Turn-mill	5-axis and 7-axis capability for datum control, complex one-clamp work and repeat turned components.
Heavy turning	Doosan PUMA heavy turning up to Ø900 mm x 1600
mm. Horizontal machining	Mazak HCN-6800 six-pallet cell, X1050 Y900 Z980
mm.	HCN-6000, X1000 Y850 Z700 mm.
Vertical machining	Bridge-type and gantry machining up to X2000 Y1200 Z750 mm.
Deep-hole drilling	Ø12.7 mm to Ø130 mm, up to 1200 mm depth.
Post-processing	Anodising, heat treatment, plating, coating, e-coat, powder coating and laser etching through supplier channels.

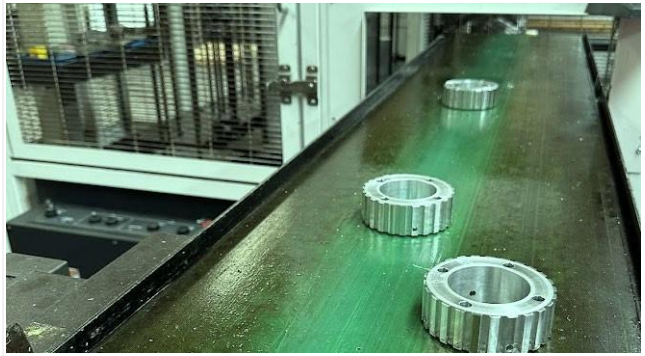
INDUSTRIES AND PART FAMILIES

Pumps, valves and fluid shafts, handling	Housings, glands, seal carriers, sleeves, bushes and flanges
Packaging, food and beverage machinery	Rollers, jawshafts, pulleys, side plates, brackets and change parts
Industrial machinery and OEM equipment	Shafts, housings, couplings, collars, plates, covers and adaptors
Mining, drilling and mobile equipment	Cradles, flushing housings, holders, wedges and rebuild parts
Vehicle, conveyors and automation	Transport components, conveyor rollers, EOAT parts and fixture plates

QUALITY AND SUPPLY DISCIPLINE

ALE operates under ISO 9001 and supports inspection-backed machining for critical industrial components. Inspection is planned around functional features, drawing requirements and customer-specified acceptance points.

- FARO Gage Plus portable CMM
- Mitutoyo optical projectors
- Jones & Shipman test centres, 1200 mm and 2000 mm
- Granite inspection tables
- Renishaw probing on selected CNC machines
- In-process and final dimensional inspection



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NEW CUSTOMER PATHWAY

AJE is suited to repeat, critical and planned machined component work where drawing control, inspection discipline, delivery reliability and production fit matter.

Review the component | Assess fit | Select a first batch
Prove the process | Plan repeat supply

CAPABIJITY MATRIX

- 5-axis turn-mill: up to Ø650 mm x 1500 mm
- 7-axis production turn-mill with robot tending
- Heavy turning: up to Ø900 mm x 1600 mm
- Horizontal machining: X1050 Y900 Z980 mm
- Vertical and gantry machining: up to X2000 Y1200 Z750 mm
- Deep-hole drilling: Ø12.7 mm to Ø130 mm, up to 1200 mm depth
- Managed external operations for treatments and finishes

CONTACT AND NEXT STEP

For suitable OEM, machinery, maintenance and industrial equipment work, the preferred entry point is a component supply review.

- Start a component supply review
- Send drawings for technical review
- Review second-source or repeat component supply
- Move suitable work from first batch to planned supply

Alfred Jewis Engineering
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