

Wire and metal fabrication

products and services



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About us

Why partner with Ability Works?

Ability Works Australia is a not-for-profit social enterprise dedicated to breaking down barriers to employment for people with disability and those facing social disadvantage.

Through inclusive employment, we empower individuals with purpose, pride, and belonging - while delivering high-quality services to commercial and government clients.

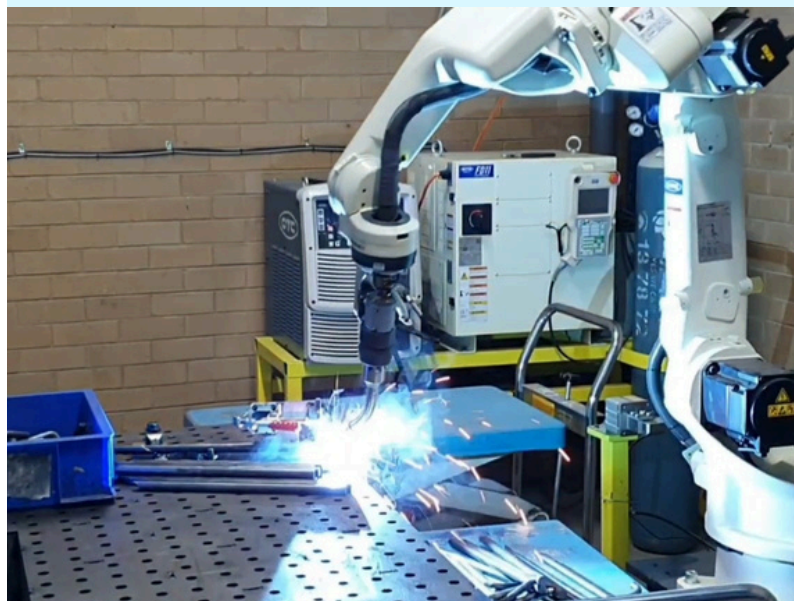
Partnering with us means:


- Australian manufacturing at our Melbourne site
- 500+ hours of inclusive employment generated per \$10,000 spent
- Support for your social procurement targets
- ISO-certified quality and technical precision
- In-house design and manufacturing of human-centred jigs, tools, automation, and custom machinery - enabling high-quality, short-run and volume production for complex technical needs

Project Snapshot

Our participation in the Frankston Hospital redevelopment included:

- **A G Coombs:** Provided angle support brackets to mount HVAC units to walls and ceilings
- **Landscape Plus:** Coordinated the delivery of various styles of fabricated landscape edging
- **Lee Group:** Manufactured non-standard bollards
- **Spective:** Large-volume aluminum window bracket machining
- **Fredon:** Provided Traffolyte labels



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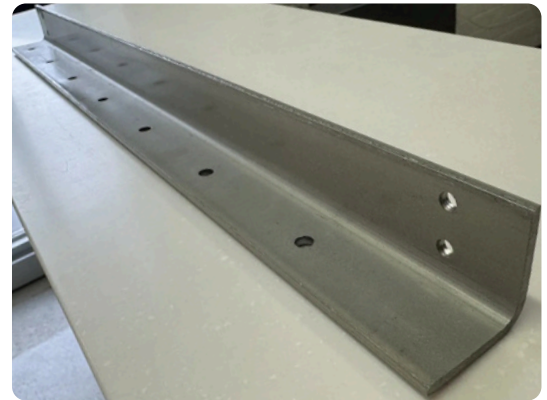


Our core products

HVAC brackets

Our HVAC brackets are engineered to support both indoor and outdoor AC units and ventilation systems. They are suitable for residential, commercial and industrial use.

Case Study: Ability Works Australia provided **A G Coombs** with angle support brackets to mount HVAC units to walls and ceilings. We supplied all steel, cut to size, and machined and built a custom tool to punch the holes required to facilitate assembly.



Landscape edging

Our precision-cut steel edging is available in multiple heights, thicknesses, and finishes, delivering both functionality and design appeal.

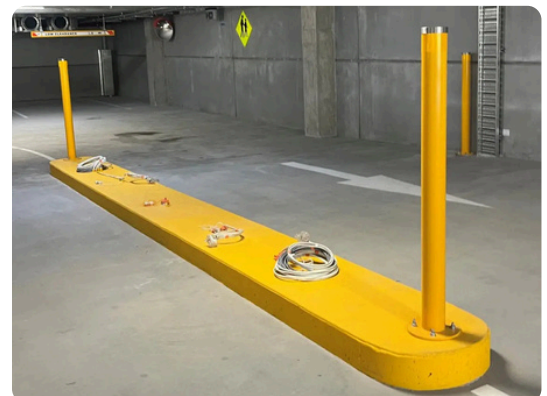
Case study: Ability Works Australia partnered with **Landscape Plus** to coordinate the delivery of various styles of fabricated landscape edging, including Corten steel and powder coated.



Steel bollards

Our heavy-duty bollards are ideal for vehicle access control, asset protection, and pedestrian safety in public and commercial spaces.

Case study: Ability Works Australia partnered with **Lee Group** to manufacture non-standard bollards, meeting their style and specifications.



Our core products

Traffolyte labels

Our high quality Traffolyte labels are suitable for electrical, plumbing, office and facilities and are OH&S compliant. We use state-of-the-art laser technology to produce clean, professional results on:

- Plastic/Traffolyte: Ideal for compliance labels and control panels.
- Acrylic: Colourful and clear signs ideal for offices and public spaces
- Stainless steel and aluminium: Durable for outdoor or industrial use
- Wood: Natural finish for decorative or architectural signage

We also offer UV-stable and weatherproof finishes to ensure long-term performance.

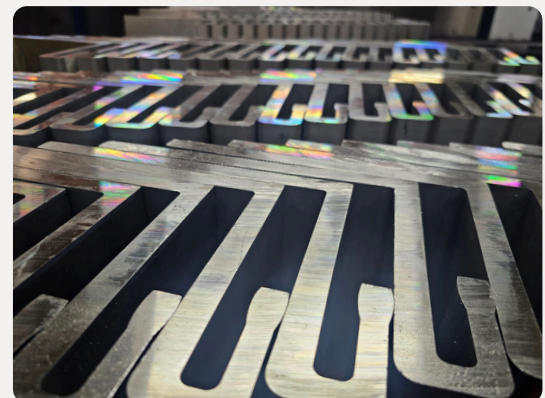
Case Study: Custom software was developed by Ability Works Australia to streamline online ordering, allowing the team at **Fredon** to select colour and thickness options, approve proofs, and automatically generate laser-cut files. The final product was a set of adhesive labels designed to snap off sequentially.



Window brackets

Designed to support secure window installation, our window brackets are fabricated to withstand environmental stress and structural loads. Precision-cut and finished to spec, they support aluminium, timber, or steel window frames.

Case study: Ability Works Australia partnered with **Spective** to accurately machine custom large volumes of a variety of heavy aluminium window brackets.



Our core products

Metal stem brushes

Made with precision and durability in mind, our brushes are ideal for industrial surface preparation, rust removal, and maintenance applications. We offer both handheld and mountable options using high-tensile wire.



Snake mesh

High-quality steel spacer mesh used in the construction industry to ensure uniform gaps between precast concrete slabs. Our mesh provides reliable alignment, load transfer, and ease of installation, produced with precision in our inclusive Melbourne-based facility.



Plinths

Our steel plinths are designed to provide sturdy, low-profile support for HVAC installations. Available in standard and custom sizes. They are reinforced and filled with concrete.

Steel posts

We manufacture precision-cut, high-strength posts suitable for fencing, boundary marking, structural framing, and civil works. With powder-coated, painted or galvanised finish, our posts are durable and ready for the elements.

Custom manufacturing

Australian-Made. Socially Driven.

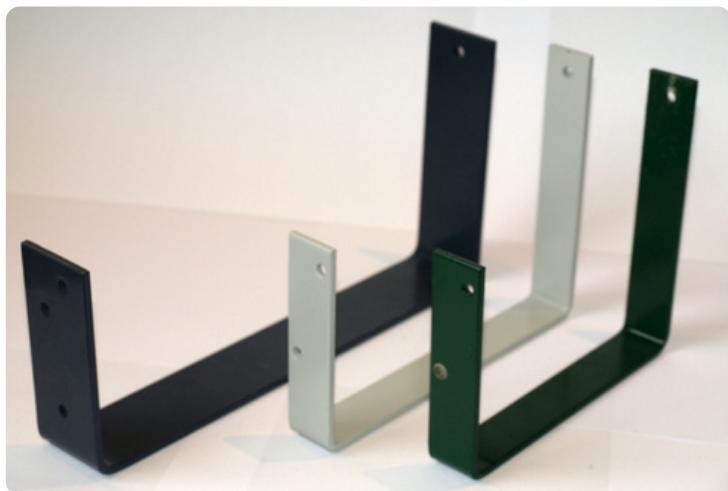
Ability Works delivers customised manufacturing solutions that meet technically challenging requirements with precision and purpose. Our in-house toolmaking and adaptive manufacturing enable the design of human-centred jigs, tools, automation, and custom machinery - supporting high-quality short-run and volume production.

We collaborate to create cost-effective, high-quality designs, with capabilities including:

- Assembly and kitting
- Rework and component integration
- Metal fabrication, including resistance and robotic welding
- Punching, bending, machining, docking, and spray painting

We specialise in producing small to medium-sized metal and wire component parts, typically welded, machined, or assembled to exacting standards.

Custom fabrication case studies:



Box gutter brackets

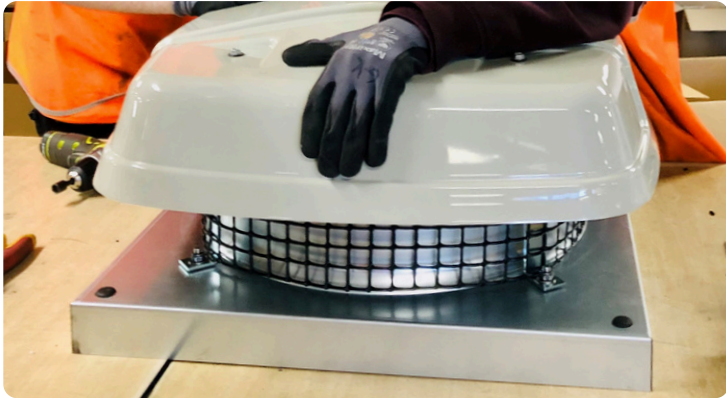
Manufactured for Signal & Hobbs roofing



Settlement plates

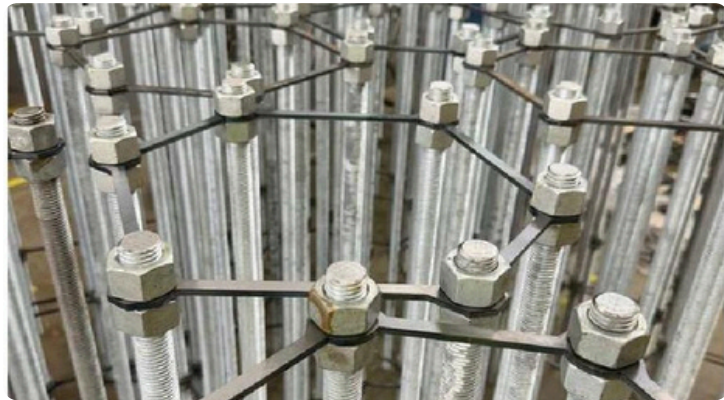
Manufactured for McConnell Dowell / Decmil Joint Venture

Custom manufacturing



Air conditioning breather units

Assembling air conditioning topper units.



Bolt cage assembly

Assembly of any form of bolts, cut to length, laser cut plates affixed in place to specification.



Ducting assembly

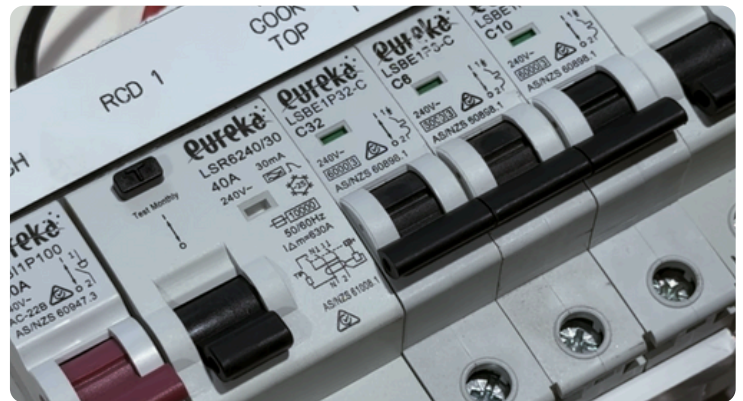
Assembling air conditioning ducting for building completion.



3D Printing – special parts printing

Current capacity:

- Printing space 280x280x300mm
- Material used ABS
- Drawing program used AUTODESK FUSION360



Electrical assembly

Electrical Load Centre Box Assembly and wire cabling. This includes camera quality checking, laser labelling, and cabling of boxes.

Custom manufacturing



Ferrule Locating Plates (FLPs)

FLPs are used to position Ferrules in construction industries.



Hairpin leg - welded frame

Legs made onsite. Painting of metal parts done by an Ability Works approved coater.



Handrails, anchored poles

Anchor plates welded to poles using a welding robot.



Ferrules

Elephant Foot Ferrules are a premium grade, medium to heavy duty. Ferrules come pre-threaded with an internal thread suitable for standard metric course threaded fasteners.



Industrial fixing brackets

Milling/drilling of precision holes in structural brackets. We custom manufacture placement jigs to ensure the highest repetitive quality.

Custom manufacturing



Resistance welding – mesh

Custom made to requirements.



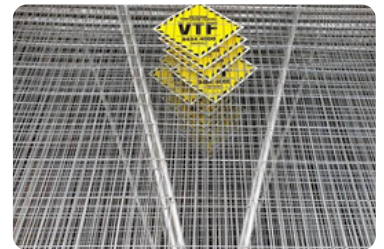
Welding pins to secure cement matting

Custom made to requirements.



Wire forming – coil holders

Custom made to requirements.



Custom fabrication

Current capacity:

- Saw cutting from 6m stock of angle iron, plate, square tube and bar
- Resistance welding up to 10mm wire.
 - Wire types: HDLC, galvanised and stainless
- MIG welding of small components including angle iron, plate, square tube and bar
- Drilling of holes up to 12mm
- Galvanising or powder coating of parts done by an Ability Works approved coater.

abilityworks

AUSTRALIA

Socially driven, human-centred

Let's build something that matters.

At Ability Works, manufacturing is more than metal and machinery - it's a platform for inclusion, innovation, and impact. Every project we deliver creates meaningful employment, fosters belonging, and proves that technical excellence and social purpose can go hand in hand. Whether you need precision components, custom tooling, or a partner who aligns with your social procurement goals, we're ready to collaborate.



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ICN
Industry Capability Network

LEE GROUP
Formerly Lee Brothers Fencing

landscape plus

Australian Government
Department of Defence

