Your Project Our Passion

CuttingEdge Solutions

At **Cutting Edge** our mission is to provide high quality engineered products and engineering services which consistently exceed the expectations of our customers.

Based in Northern Melbourne with over 6000 square metres we have the capacity and machinery to meet your metals fabrication needs:

- Cutting - Individual & Bundle Cutting
- Welding - MIG & TIG Welding
- Punching
- Drilling
- Tube & Pipe Bending & Rolling

Whether it is mild steel, stainless steel or aluminium we have the fabrication capabilities to meet your general engineering requirements. We also offer a complete range of **design, finishing and assembly services** to help you steer your project from concept to completion.

Unit 4, 220-230 Barry Rd, Campbellfield, VIC Australia 3061
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Our reputation is built on Trust, Reliability & Uncompromised Commitment to the project! We pride ourselves on partnering with our customers and delivering to project requirements and specifications, on time!

Our **customer base includes major steel mills** and **construction companies** as well as major product providers to the **automotive, fire protection, waste management, security fencing, road signage** and **playground industries** in both the public and private sectors.

We have the capacity and machinery to meet your metal fabrication needs:

Welding

- 5 **MIG welding** machines up to 340 amps
- 1 **TIG welding** machine up to160 amps
- 2 **Spot welding** machines up to 60 KVA
- Four jigging tables with a bed span up to 2.0m x 1.0m

Cutting

- **Brobo, auto saw** for individual (single) cutting of all steel types up to 90mm x 90mm dimension and up to 8 metre lengths. Cutting angle capability: 45 degrees.
- **Bundle Cutting span capacity** of 330mm H x 500mm W for pack cutting of mild steel, aluminium and stainless in the following specifications:
  Pipe (hollow pipe), RHS (rectangle hollow section), SHS (square hollow section), Solid bar (square or round), UB (universal beams), PFC (parallel faced channel), UC (universal channel).
- Bundle Cutting Angle Cutting Capacity is to 60 degrees. The max cutting length is up to 15m

Punching & Drilling

- **Punching:** 100 tonne cropper maximum capabilities with constant of 728, constant = diameter x thickness. E.g. (26mm hole x 28mm thick plate).
- **Punch Rail:** Single punch or double punch capabilities of 16mm and 19mm round holes. Max length of tubing: 7.32m. Standard tube is 38mm x 25mm.
  Pitch capabilities up to 7.2m and as small as 85mm with a consistent locating device or 20mm using only a hitch feed.
  We can purchase new tooling to accommodate for any custom punching requests but tooling costs will apply.
- **Drilling:** 2 Pedestal Drills with a bed depth of 1m, which can drill up to 32mm holes. 1 drill/milling machine which can accommodate for most standard requests.

Bending & Rolling

- **Bending:** Maximum bending capabilities are 3 inch / 76mm o.d pipe with a wall thickness of 3.2mm, 50mm solid bar and 65x65x5 rhs.
  We have a 3m carage depth (the longest length you can feed into the machine from the stop to the mandrel).
  The max swing length from the mandrel is 5m with a 90 degree bend or 3m with a 180 degree bend (the length of material which swings around as the machine creates the bend).
- **Rolling:** Maximum rolling capabilities are 50x50x2m rhs, 25nb pipe/33.7mm and 100 x 6mm flat plate.
  The smallest rolling length is 200mm and largest is 8m.
  We have tooling for round pipe of 25nb/33.7mm, 20nb/26.9mm & 19mm.
  The widest plate we can roll is 150mm x 3mm.
  The smallest radius we can achieve is 100mm.

Finishing & Assembly

CNC Routing, Laser Cutting, Plasma Cutting, Folding, Powder Coating, Spray Painting, Linishing & Deburring, Plating, Polishing, Shot Blasting and Assembly.

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