

SPECIALIST FABRICATION AND MACHINING SERVICES



SPECIALIST MILLING MACHINERY



Amcontrol is experienced in the delivery of high quality engineered and manufactured enclosures and components for non-hazardous and hazardous area mining, agriculture, automotive, transport, construction, electrical network and industrial applications.

Our fabrication teams are focused on providing total solutions for customers and have extensive experience in application design and manufacture of large scale and intricate fabrication projects. We specialise in flameproof and non-flameproof enclosures and general fabrication products.

Through the use of large capacity, computer controlled machines we offer a wide range of complex metal working services with a fast turnaround.

Our range of milling and laser cutting machines, lathes, cranes and radial arm drilling machines support production of:

- Flameproof enclosures
- Enclosures and rooms
- Laser cutting
- Decorative screens and balustrades
- Repetitious components
- General fabrication

We have one of the largest, high specification milling machines in New South Wales. The machine has the capability to provide conventional horizontal boring and milling for equipment up to 16 tonne. Customer projects can be undertaken in one set up for five sides, reducing set up times and providing fast delivery.





Our range of milling machinery encompasses:

Large CNC Milling Machine

- 4 Axis Vertical Machining Centres
- Capability to machine 5 sides per setup
- 38 tool automatic tool change
- Maximum table load 16,000 kg
- Machine travel 7050 x 2900 x 1070



Medium CNC Milling Machine

- 3 Axis Vertical Machining Centres
- 24 tool automatic tool change
- Maximum table load 1,400 kg
- Machine travel 1600 x 1000 x 800



Medium CNC Milling Machines

- 3 Axis Vertical Machining Centres
- 24 tool automatic tool change
- Maximum table load 1,000 kg
- Machine travel 800 x 510 x 610

Lathes

- 2,000 between centres x 530 swing
- 1,000 between centres x 400 swing



Our facilities

Amcontrol has two dedicated workshops specialising in manufacturing, machining and fabrication in the Hunter Valley, NSW.

Fabrication workshop

- 2 bay 1,500m²
- 3 x 20T overhead cranes

Machining workshop

- 2 bay 1,600m²
- 2 x 16T overhead cranes
- 2 x 1T cranes

LVD Axel 3015-S Laser Cutting Machine features:

- Laser cut up to 16mm thick mild steel plate, 12mm thick stainless steel and 8mm aluminium
- 4000W laser source
- One (1) cutting head with built-in 5", 7.5" and 10" cutting lens
- Maximum sheet size 3000mm x 1500mm
- "Pulse" function allows quality cutting of holes smaller than the sheet thickness
- Automatic shuttle tables allowing the safe load/unload of operations and continuous cutting cycles while the machine is cutting
- Numerous other processing capabilities including sheetmetal etching, engraving, cutting of profiles, bent or drawn parts



LVD Hydraulic Brake Press Model PPEC-5 170/30 features:

- 175 tonne capacity
- Total working plate size - 3050mm
- Between uprights size - 2600mm
- Throat size - 400mm



LVD Hydraulic Shear Model CS 13/31 features:

- Shear up to 10mm mild steel plate and 6mm stainless steel
- Shear up to 3050mm in length
- Motorised back gauge for pre-selection of cutting lengths



These three highly compatible machines allow the Fabrication team to offer a complete fabrication supply package, from shearing and guillotining to cutting and pressing.



FABRICATION



Ampcontrol's fabrication team provide total solutions for your laser cut and fabricated sheet metal needs.

Ampcontrol's use of large capacity, computer controlled machines allows us to offer customers a wide range of metal working services including perforated metal and fabricated products and expert advice in application design.

Through the use of a modern 4kW laser cutting machine, hydraulic shears and hydraulic brake press, we produce quality, cost effective fabricated metal products. We ensure a high degree of accuracy and output speed through our use of AutoCAD and CAD/CAM design programs and can also provide expert advice in application and design.

Our fabrication facilities are quality endorsed to the following standards:

- ISO9001
- AS/NZS4801
- ISO14001
- OHSAS18001

Our fabrication team all have welder qualifications to AS/NZS1554.1.

Our laser cut and pressed products include:

- mining screens
- decorative screens and balustrades
- repetitious components
- enclosures and rooms
- general fabrication

The products can be produced in a range of material options including stainless steel (304 and 316), aluminium, Galvabond®, mild steel, zinc anneal and 3CR12. As part of our professional finishing services we also offer folding, bending and notching.

We can assist by providing engineering design and review services, drawing upon the talents of the Ampcontrol engineering team.

For larger projects, we also offer a dedicated project management service, enabling supply of complete turnkey solutions.

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