

# MAVA SUBSTATION TOOLS & CAPABILITIES



**Metro Arts**

**97 WYNNUM ROAD, NORMAN PARK**



## MAVA Workshop – Capabilities & Usage

### METAL WORKING

- Oxy-Acetylene - Brazing soft metals such as mild-steel and bronze.
- MIG welding with Raptor 80 (Metal Inert Gas welding) - Weld various metals and alloys together including copper, aluminium, nickel, and iron.
- Sand Blaster - Prepare metal by removing paint, rust and outer coatings before welding or various fabrication processes.
- Cold Saw - Cutting of various materials including mild steel, stainless steel, and aluminium and can also be used to cut materials such as plastic & fibreglass.
- Fume Extractor - Removing hazardous fumes from welding processes.
- Grinder and Linisher - Grinding and shaping metal on stone with the additional option of sanding paper.
- Buffer - Polishing various soft metals, various cured epoxy resins, and clear coats applied to painted objects





# MAVA Workshop- Capabilities & Usage

## WOODWORKING

- Laguna F3 Table Saw - Cross-cutting and ripping panels of wood. Also include Dado blades for cutting different size grooves into wood for furniture and shelf creation.
- Carbatec Drum Sander - Sanding the end grain of flat pieces of wood.
- Makita Compound Slide Mitre Saw - Cutting wood at various mitred angles.
- Bandsaw - Preparing timber by cutting before planing, sanding and joinery. Also used to cut out curves in wood to develop organic shapes.
- Planer/Thicknesser - Planing down surfaces of wood for joinery.
- Disc/Bobbin Sander - Sanding down prepared surfaces of wood for assembly and fabrication.
- Drill Press - Drilling various size holes in metal, wood and plastics.
- Dust Extractors - Two sets of dust extractors to remove fine wood particles from woodworking machines.
- RAMIA Workbenches - Two large fine woodworking benches with additional tool storage.



# MAVA Workshop- Capabilities & Usage

## DIGITAL CUTTING & PROTOTYPING

Laser, Water and Metal CN

- Thunder Laser - Laser cutting of wood, plastics, glass, leather, paper, ceramics, work area 900 x 600mm, and much more ...
- WAZER - Water and sand (garnet) cutting of acrylic, mild steel, stainless steel, brass, marble, plastic, and much more ...
- Arcdroid Plasma Robot - Plasma cuts Steels, Stainless, Cast Iron, Brass, Copper, and Aluminium from digital files, trace objects with Simple Trace™ for speed and quick experimentation, compatible with Fusion 360 and CAD files (.dxf) with a cutting dimension of 660 x 380mm.





## MAVA Workshop – Capabilities & Usage

### LIST OF LARGER TOOLS: WOODWORKING

- Plunge Cut Saw - Comes with plunge capability for cross cutting and ripping wood at various angles and thicknesses. Includes a guide rail for cutting full length sheets of wood.
- Jigsaw - Cordless tool for cutting wood and creating custom curved shapes out of various materials.
- Drills - Cordless tool for creating holes out of wood, metal, plastics and concrete.
- Angle Grinder - Cordless tool for shaping, sanding and cutting various materials.
- Plunge Router and Trimmer - Cordless tools for creating custom shapes, edges, and holes in wood. Also includes smaller trimming routers which can be used to create custom designs in wood and trimming overhang such as applied veneer or wood.
- Biscuit Joiner - Cordless tool that cuts a groove into the sides of wood panels with an applied biscuit (small double-sided wood wedge) and glue to join them together.
- Reciprocal Saw - Cordless tool which can cut through various materials including timber, metal sheeting, pipes and tree branches.
- Nibbler - Cordless tool for cutting through sheet steel and stainless sheet steel.
- Stapler - Cordless stapler for attaching canvas to a wood stretcher and combining various materials together.
- Arbotech Power Carver - A multi purpose tool for carving and shaping wood with an angle grinder.
- Soldering Iron - Weller Digital soldering station (85 Watt) for soldering plastic circuit boards, jewellery design or home projects.



## MAVA Workshop – Capabilities & Usage

### HOW CAN THE COMMUNITY USE THE SPACE

- Prototyping: Testing, brainstorming and experimenting with ideas and models before large-scale development in Public Art, Contemporary art exhibitions or home DIY projects.
- Tool Making: Creating custom tools such as knives, spanners, bottle openers and many more self-directed projects ...
- Sign Creation: Creating custom signs and text art works for exhibition projects or home DIY jobs.
- Sculpture Creation: Mould-making, wood-carving, armature design, clay building, plinth building, and fabrication.
- Painting Stretcher Making: Build and design custom size stretchers for canvas.
- Restoration: Furniture design and up-cycling materials.
- Inductions: Upgrade skills and experience with metal and woodworking tools.

Workshops: Boutique classes designed to teach new artistic techniques and skills in metal and woodworking.





# Metro Arts



*Dedicated to a better Brisbane*

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