

**PRODUCTS/SERVICES**

Australian Made Suppressors	Nose cones
Combustion chambers	Custom brackets & Pedestals
Propulsion units	Impellers & Assembly
High-temperature shielding	Hydrocyclones, Heat Exchangers
Fuel mixing nozzles	Australian Made Gearboxes
Specialised tooling	Flanges & Pipe Fittings
Drone components	Complex component manufacture

**KEY CUSTOMERS**

AVT Australia	NIOA
Department of Defence	RMIT University
Defence Science Technology Group	Swinburne University
Five Rings Aerospace	Spee3D
Gilmour Space	Titomic
Hypersonix Launch Systems	WE Platt

**KEY PARTNERS & SUPPLIERS**

3D Systems	Ronson Gears
3D Labs	Vulcan Steel
Monocure3D	Alan Beckwith Macbro
Mimaki	Australian Steel

**CAPABILITY**

Multi-Axis Simultaneous CNC Machining

Metal Additive Manufacturing

Polymer Additive Manufacturing

Metal Powder Manufacturing

Optimisation and Engineering Services

Topology Optimisation & Light Weighting

Build Simulation and Compensation Analysis

3D Scanning

Light Fabrication

**QUALITY STANDARDS & ACCREDITATIONS**

AS9100D:2016

ISO9001:2015

DISP-Level 1

E-Safe

Australian Made



Managing Director: Michael Bourchier  
 BDM Advanced Manufacturing: Trevor Pedwell  
 Industrial Gearboxes: Dee Bourchier

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# Engineering Solutions to Empower Your Ideas

## MACHINE CAPACITY

### HEAVY MACHINING

Milling to 4300 X 1500 X 2000mm  
Turning to 750mm Diameter  
Vertical boring to 2800 x 1800mm

### PRECISION MACHINING

5 Axis Simultaneous Machining

### LIGHT FABRICATION

Welding (ARC, MIG and TIG)  
General & sheet metal fabrication

### METAL ADDITIVE MANUFACTURING

4 Industrial Sized Machines

### POLYMER ADDITIVE MANUFACTURING

7 Machines  
DLP - Figure 4  
SLS - ProX60  
Mimaki - Full Colour

### METAL POWDER MANUFACTURING

ATO Lab+ Ultrasonic Atomizer

### 3D SCANNING

GOM Atos- Q

### STANDARD MATERIALS FOR METAL 3D

Tungsten W-45, Titanium Gr23, Inconel 718,  
Aluminium (AlSi10Mg), Stainless 316L, 17-4PH  
Stainless, H13 + others

## INDUSTRIES

Aerospace

Defence

Space

Medical

Food & Beverage

Mining

Agriculture

Oil & Gas

## QUALITY

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