

Precision CNC Machining
Fluid Control Hardware

Precision Fabrication
Assembly & Testing

Project Management

Design & Prototype

Quality
Sub-Contract Precision CNC Machining & Fabrication



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BUILT ON PRECISION



ZERO failures in performance critical applications for 20+ Years

Products
(Custom Designed & Precision CNC Machined & Fabricated)
AFFF FOAM Deluge Pop-Up Sprinklers
CAF (Compressed Air Foam)
Deluge Valves
Fittings
Inert Gas Suppression Systems
MJC
Manifolds
Nozzles
Specialty Threads (Including AS, ASME, ASTM, BS, DIN, ISO, JIS, MIL and SAE)
Specialty Connectors (Fluid Power and General Use)
Valves

Capabilities
3D Printing Project Management
5 Axis CNC Machining (Lathe and Vertical Machining Centre)
Bracketry for Components and Sensors
Component Manufacturing
Control Panel Fab and Fitout
Design > Prototype > Manufacture Runs
MIG and TIG Welding Fabrication
Oxy and Plasma Cutting
Sheet Metal Work
SolidCAM CAM (Computer Aided Machining)
Solidworks (3D Testing)
Solidworks (CAD 3D Modelling)
Structural Welding to AS/NZ 1554 (Carbon Steel and Stainless Steel)
Welded Assemblies

Services
CAD CAM Software
CAD Engineering Design
Concept Development and Prototyping
Custom Design Nozzles
Custom/Specialty Design and Manufacture
Maintenance and Rebuild Design
Standards Interpretation

Testing Services
Function Testing
Hydrostatic Testing
Pneumatic Testing

Quality & Administration Capabilities
Assembly and Packaging
Storage and Distribution
Commitment to LEAN principles
ISO 9001:2008
LEAN Manufacturing Influenced
Material Data Reports (MDR)
Material Traceability
Project Management
Proven Design and Manufactured Solutions
Recognised Partner to Defence
Standards Interpretation
Total Quality Plans (TQP)

Key Customers/Projects
ADF and RAAF Aircraft Hangar Fire Suppression – Base Fire
Bogie Rail Componentry – UGL Limited
CASA Certified Hot Air Balloon Componentry – Kavanagh Balloons
Custom and Specialty Tooling – Sandvik
Laboratory Apparatus for Flame Prorogation Study – NIER (Newcastle Institute of Energy and Resources)
Phase Changing Turbo Generator – Granite Power
Special Hazard Fire Suppression Hardware and Systems for Heavy Mining Equipment and Vehicles – Wormald/Tyco

Key Partnerships
InterCAD – Solidworks Reseller Provider
NIER - Newcastle Institute of Energy and Resources
Okuma Corporation Japan and Australia
Sandvik Coromant
SolidCAM Australia and New Zealand
Tier 2 Australian Defence Force Supplier and Manufacturer
University of Newcastle
Member of the following;
HunterNet
CCIC – Central Coast Industry Connect
FPAA – Fire Protection Association Australia
AMTIL – Australian Manufacturing Technology Institute Limited
WTIA – Welding Technology Institute of Australia

Industries
Architecture and Construction
Defence - Aeronautical, Ground and Naval Platforms
Energy - Oil and Gas
Industry - Process and Manufacturing
Safety and Asset Protection
Resource - Mining
Transport - Marine, Rail, Road
Utilities - Water, Power Generation



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Mechanical Engineering & Product Development "Technology Partner". Since 1977.

Continuously developed and matured by three generations of the Byrne family over the past four decades, Archer has built a reputation as a Solution-Centric specialist in product design, craftsmanship, precision engineering, fabrication, manufacturing of complex components and assemblies to the highest levels of world-class excellence while delivering a premier service.

We are known for thinking outside the project brief. For going the "extra mile" to fully understand the environment our customer operates in and approaching the solution from several perspectives. This intimate Technology Partnership relationship results in superior engineering outcomes which deliver greater performance and efficiencies than originally expected by our customers.

With a fully equipped facility boasting multi axis machining, fabrication, sheet metal work, function and pressure testing Archer has the capability and knowledge to ensure that all of your projects big and small are completed on time, on budget and right every time. Archer is a fully certified ISO 9001 organisation and has implemented lean manufacturing systems to ensure that processes are efficient and result in the delivery of quality product to specification.

Where will you fit in?

