



## Capability Statement

### Contact Information:

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### Company Overview

#### Introduction

Calibrated Engineering is a Precision CNC Machine shop and Hydraulic Cylinder Manufacturer and Repairer located in Welshpool, WA.

With extensive experience in the CNC machining industry, we excel in both large production runs and one-off parts, including tool making.

The Cylinder side of the business draws from 50+ years in the industry building quality and longevity into our cylinders.

#### Mission Statement

To provide our customers with reliable and high-quality CNC machining services, enabling them to achieve maximum uptime and efficiency.

#### Core Values

Quality: Uncompromising attention to detail and excellence in every part we produce.

Innovation: Continuous improvement and adoption of cutting-edge technology.

Integrity: Honest and transparent business practices.

Customer Focus: Building long-term relationships through exceptional service and support.

#### Key Areas of Expertise

Precision CNC Machining

Complex Part Manufacturing

Prototyping and Production Runs

Custom Engineering Solutions

Custom and Standard hydraulic cylinder build and repair (2-6")



## **Machining Capabilities**

### **Overview of CNC Machining Capabilities**

Calibrated Engineering is equipped with state-of-the-art CNC machines, enabling us to produce complex parts with high precision and efficiency. Our machines and their capabilities are as follows:

#### ***Hyundai WIA L300LMC***

Maximum Turning Diameter: 500 mm  
Maximum Turning Length: 1260 mm  
Spindle Speed: 3500 RPM  
Tool Capacity: 12 stations  
Capabilities: Live tooling with C-axis capability

#### ***Hyundai WIA 2600LY***

Maximum Turning Diameter: 300 mm  
Maximum Turning Length: 610 mm  
Spindle Speed: 4000 RPM  
Y-Axis Travel: 102 mm  
Tool Capacity: 12 stations  
Capabilities: Live tooling with C&Y-axis capability

#### ***Hartford LG1000***

Table Size: 1016 x 508 mm  
Spindle Speed: 10000 RPM  
X/Y/Z Travel: 1016/508/508 mm  
Tool Capacity: 30 stations

#### ***Daewoo Mynx 650***

Table Size: 1270 x 508 mm  
Spindle Speed: 6000 RPM  
X/Y/Z Travel: 1270/660/635 mm  
Tool Capacity: 24 stations  
Capabilities: 4-axis capability

#### ***HAAS TM2***

Table Size: 1214 x 267 mm  
Spindle Speed: 4000 RPM  
X/Y/Z Travel: 1016/406/406 mm  
Tool Capacity: 20 stations  
Capabilities: 4-axis capability

## Examples of Parts Produced



## Additional Services

### Engineering Consultation

Our team of experts offers engineering consultation to help you optimize your designs for manufacturability and cost-effectiveness.

### CAD/CAM Design

We provide comprehensive CAD/CAM design services to ensure your parts are accurately and efficiently produced.

### Prototyping

Our prototyping services enable you to test and refine your designs before committing to full-scale production.

### Assembly and Testing

We offer assembly and testing services to ensure that your parts meet all required specifications and are ready for immediate use.

## Quality Assurance

### Quality Control Processes

Calibrated Engineering adheres to stringent quality control processes to ensure the highest level of precision and reliability in our products. We are currently working towards ISO 9001 certification, which is pending. Our commitment to quality is reflected in every part we produce, from initial design to final inspection.

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### How to Reach Calibrated Engineering

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