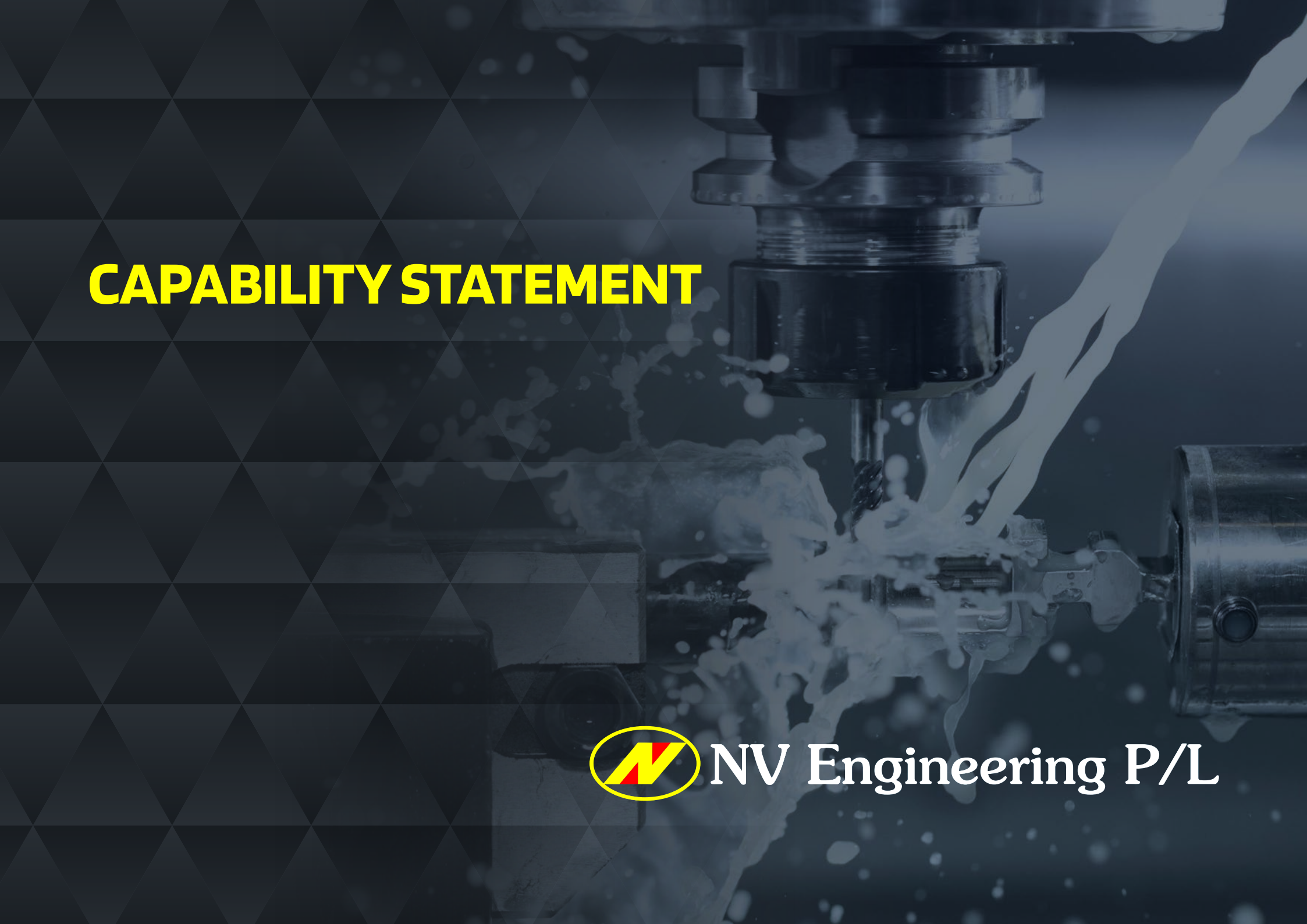


CAPABILITY STATEMENT

NV Engineering P/L

COMPANY PROFILE

NV Engineering delivers precision manufacturing solutions across Western Australia, specialising in complex machining and fabrication services for critical industrial applications. Our expertise transforms engineering challenges into reliable, high-quality components that keep your operations running smoothly.

OUR FACILITIES

Our purpose-built 800 square metre facility houses advanced manufacturing capabilities designed for both precision and volume production:

- ✔ 6 CNC machines for automated precision machining
- ✔ 6 manual/conventional machines for specialised applications
- ✔ Large batch production capacity to meet your volume requirements
- ✔ Component refurbishment services to extend equipment lifecycles and reduce replacement costs

NV Engineering P/L

SERVICES AND CAPABILITIES

Manufacturing Capabilities

- **CNC Milling:**
  Precision component manufacturing to exact specifications
- **CNC Turning:**
  Complex rotational parts with tight tolerances
- **Manual Lathe & Milling:**
  Specialised one-off components and prototypes
- **ID Welding/Line-Boring:**
  Precision repair and restoration services
- **Key & Slotting:**
  Custom keyways and slots for mechanical assemblies
- **Marking & Engraving:**
  Component identification and traceability solutions

We coordinate comprehensive finishing services through our trusted partner network:

- **Anodising:**
  Corrosion protection and enhanced durability
- **Heat Treatment:**
  Metallurgical enhancement for critical components
- **Laser Cutting:**
  Precision sheet metal fabrication
- **Powder Coating/Painting:**
  Protective and aesthetic finishes
- **Line Boring:**
  Precision alignment and bearing installations
- **Welding/Fabrication:**
  Structural and component assembly services
- **Wire Cutting:**
  Complex profile cutting and precision tooling.

NV Engineering P/L

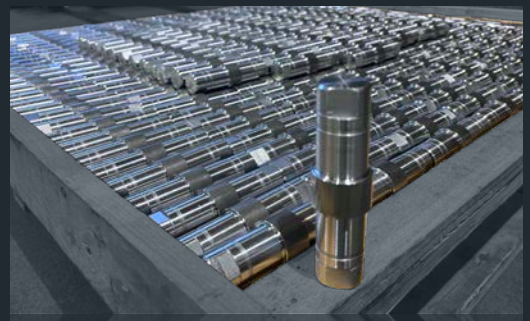
PRECISION CNC MACHINING

Our CNC machining services are not only tailored to meet specific project requirements but are also focused on achieving the highest standards of quality and performance.

We work with various materials, from metals to advanced composites, ensuring that each part is produced with exact tolerances and a flawless finish. With a commitment to efficiency, speed, and continuous innovation, we consistently deliver components that meet or exceed industry standards.

Key Benefits of Our CNC Machining Capabilities:

- ✔ Achieve precise and accurate tolerances
- ✔ Meet surface finish standards
- ✔ Efficiency
- ✔ Amazing quality
- ✔ Speed
- ✔ High precision
- ✔ High production & scalability
- ✔ Enhanced capabilities
- ✔ Speed
- ✔ Improved safety



Crafting Precision, Delivering Excellence

NV Engineering P/L

MILLING AND TURNING

With advanced technology and years of expertise, we deliver top-tier Milling and Turning services tailored to meet diverse industry needs. Specialising in both large and small-scale projects, our capabilities extend to an impressive 7-axis machining, ensuring complete control over complex geometries and intricate designs. From prototype development to full-scale production, we handle each step of the process with precision and attention to detail.

Precision in Every Turn

CNC MACHINE FLEET

NV Engineering operates a diverse and advanced fleet of MAZAK CNC milling and turning machines, enabling high-precision manufacturing across a wide range of component sizes and complexities. From multi-axis machining centres to integrated turn-mill solutions, our equipment delivers exceptional accuracy, efficiency, and versatility. This investment in cutting-edge technology ensures we can meet the demanding requirements of industries such as aerospace, defence, and precision engineering with confidence and consistency.

MAZAK Nexus 510C

5-Axis Machining Centre

Advanced simultaneous 5-axis machining capability for complex geometries and reduced setup times, ideal for aerospace and precision engineering components.

MAZAK VTC-20B

Vertical Machining Centre

High-precision vertical milling with excellent surface finishes, perfect for tooling, moulds, and precision mechanical components.

MAZAK QT 15

CNC Turning Centre

Compact yet powerful turning solution for small to medium diameter components with exceptional accuracy and repeatability.

NV Engineering P/L

CNC MACHINE FLEET

MAZAK QT30

CNC Lathe

Robust turning centre designed for medium to large diameter work, delivering consistent results for heavy-duty applications.

MAZAK SQT 250M

Multi-Tasking Turn-Mill Centre

Complete machining solution combining turning, milling, and drilling operations in a single setup, maximising efficiency and precision.

MAZAK Integrex 200 MkIIIS

Multi-Tasking Machine

Ultimate flexibility with simultaneous turning and milling capabilities, perfect for complex components requiring multiple operations.

In addition to these advanced machines, NV Engineering also runs several manual machines including:

- Vertical Borer
- Horizontal Borer
- 3 Meter Lathes
- Manual Mill

NV Engineering P/L

INDUSTRIES WE SERVE

NV Engineering understands the unique demands of Australia's key industries and delivers solutions that meet the most challenging requirements.

Mining:

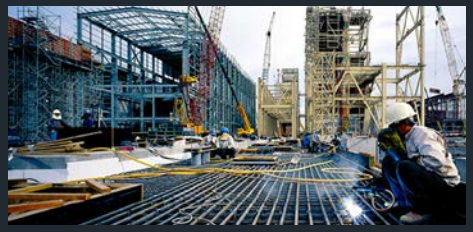
Durable components for harsh operating environments

Construction:

Reliable parts for heavy equipment and machinery

Agricultural:

Precision components for farming and processing equipment



Civil Infrastructure:

Components for public works and utilities

Rail & Transport:

Safety-critical parts meeting industry standards

Automotive:

Precision components for vehicle manufacturing and repair

Heavy Industrial:

Critical parts for manufacturing and processing facilities

WHY CHOOSE NV ENGINEERING?

Precision Manufacturing Excellence

Our combination of advanced CNC technology and skilled craftsmanship ensures every component meets your exact specifications.

Comprehensive Service Capability

From initial machining through final finishing, we manage your entire component lifecycle through our integrated service network.

Industry Expertise

Our deep understanding of Australian industrial requirements means we deliver solutions that work in real-world conditions.

Flexible Production

Whether you need a single prototype or large batch production, our facility scales to meet your requirements efficiently.

Quality Assurance

Every component undergoes rigorous quality control to ensure it performs reliably in your critical applications.

Ready to discuss your next project?

Contact NV Engineering to discover how our manufacturing expertise can solve your engineering challenges.

NV Engineering P/L

We're Here to Help

Reach out to our team, and we'll get back to you as soon as possible. Whether it's a consultation or a quick inquiry, we're just a message away.

(08) 9729 3293

anthony@nvengineering.com.au

7 Newell Street,
Harvey WA 6220

nvengineering.com.au