

MANUFACTURING CAPABILITY STATEMENT



NORSHIP MANUFACTURING

Norship Manufacturing specialize in the manufacture, overhaul and repair of components for a wide range of industries and engineering requirements. With its comprehensive workshops, Norship provides industrial service solutions in areas such as:

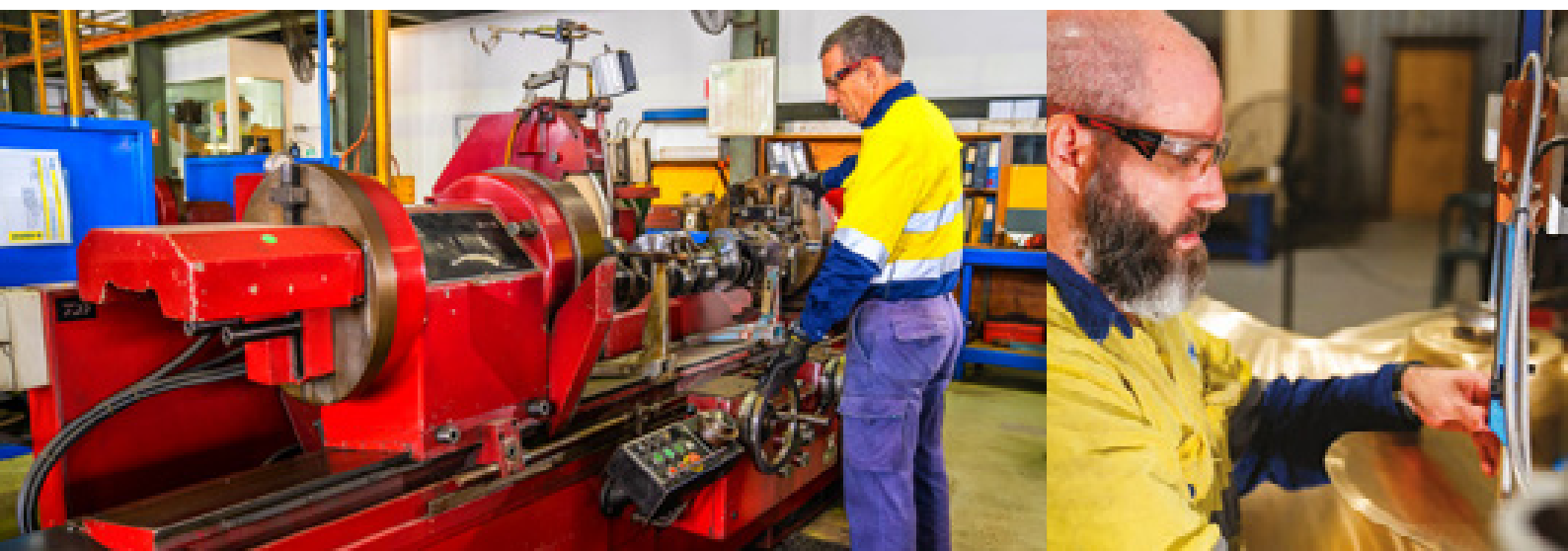
- Fixed plant machinery
- Mobile plant and machinery
- Mining equipment and components
- Engine repairs and Dyno services
- Power generation equipment
- Marine components
- Heavy vehicle components
- Light vehicle components
- Engine and driveline systems
- Propeller repairs and re-pitching

Norship provide support and services across the defence , mining , oil and gas, transport , power generation, and agricultural industries across Northern Australia, PNG and the Pacific Island Nations.



ABOUT US

Norship stems from a proud Australian family heritage in the marine, manufacturing and engineering industries. From ship-building defence platforms in the 1960's to established engineering, manufacturing and shipyard servicing work-shops today. The manufacturing workshop is a successful reconditioning and service centre, overhauling and rebuilding engines, drivelines, propulsion systems and dynamic balancing to remote locations both in Australia and the Pacific. Norship's manufacturing workshop provides CNC precision machining services for all types of mobile and fixed plant operations such as underground, earthmoving equipment and machinery components.



DYNAMIC BALANCING

Norship provides a comprehensive balancing service for a wide range of applications such as:

- Tail shafts
- Propellers
- Fans
- Crankshafts
- Motor armatures
- Pumps
- Mulchers
- Chippers
- Crushers
- Turbines
- Impellers
- Flail mower rotors



TRUSTED SOLUTIONS



ENGINE TESTING

Norship can test and tune engines up to 2500hp in our dynamometer facility. Norship also has transmission test services.

ENGINE REMANUFACTURING

Norship specialises in the overhaul and remanufacturing of driveline components in engines, gearboxes and tail shafts. We also provide engineering services for general machining and fabrication.

Norship provides full engine reconditioning and overhaul services.

PROPELLER REPAIR

Norship's propeller repair facility can repair, repatch and improve propeller performance utilising contemporary tools and systems including the Hale Propeller Electronic 3D Propeller Inspection and Analysis System.

Norship's leading propeller technicians have more than 30 years of propeller repair and tune experience, ranging from defence high precision to commercial shipping and fishing vessel propellers.





OUR PEOPLE

Our highly experienced Norship team have an uncompromising focus on safety, quality, security, environment and customer satisfaction across its services and products.

Norship operates a certified Integrated Management System which includes AS/NZS ISO 9001, AS/NZS 4801 & AS/NZS ISO 14001 standards.



TRUSTED SOLUTIONS



MILLING

The Norship manufacturing team can machine components utilising both CNC machining centers and conventional machines.

The latest in CAD CAM software enables contour machining of profiles through to full 3D surfacing.

TURNING

Utilising both CNC and manual lathes, Norship's skilled operators can machine one off parts through to large production runs. Delivering a high quality service at a cost effective rate.

GENERAL MACHINING

General machining of items including but not limited to:

- Pins and bushes
- Fittings
- Rollers
- Sleeves
- Bosses
- Flanges
- Bearings
- Custom Designs
- Shafts
- Odd/ specialized bolts
- Line boring & Welding





OBSOLECENT COMPONENTS REMANUFACTURE

Norship is highly experienced in the remanufacture of obsolescent components. Norship can reverse engineer components to exacting standards and in many cases improve on component quality, performance and longevity.



MANUFACTURE OF BATCH COMPONENTS

Through extensive experience, low overheads and capability the Norship team can manufacture small batch runs of components keeping manufacturing costs as low as possible.



TRUSTED SOLUTIONS



ART CNC PROFILE ROUTER

Norship's ART CNC profile cutter is designed to be one of the most versatile cutting machines on the market. It can be used for diverse jobs such as,

- Boat building
- Cabinetry work
- Plastic profile cutting
- Large signage
- Architectural work

With a bed size of 9000mm x 2500mm x 350mm, Norship has the largest ART CNC profile router in Far North Queensland.

With the ART CNC Routers large cutters it can cut through materials at high speeds such as, Aluminium, Solid Timber, Plastics, Rubber and Foam, Insulation Materials

ART CNC ROUTER FEATURES

The ART CNC Router includes many features which enable Norship's experienced staff to produce high quality products faster with a strong focus on Workplace Health and safety.

These features include,

- 3 axis routing, allowing for bevelled edges
- High quality finish negating further need for surface preparation
- Greater efficiencies through auto tool changing for multiple processes
- Accurate consistent complex profiling
- Accurate, fast turnaround for production lines and precision components
- High production and scalability
- Identical parts made with the highest accuracy level
- Manufacture parts to meet with customer requirements
- High speed cutting mechanism
- An Automatic extraction foot
- DSP based motion controller
- ART ProfileShop software
- 10 tool linear tool changer





FABRICATION

Norship Manufacturing provides the following fabrication and welding services,

- Fabrication for a wide range of industries
- Repair/ building up of surfaces for machining back to specification
- Hard Facing
- Fabrication of certified equipment stands
- Product handling equipment
- Repairs/ Welding of damaged/cracked components
- Fabrication and repairs of gearboxes and processing plant
- Specialist welding of components
- Design support — optimizing or designing of fabricated equipment
- Certified Items

