



HMG

Made
to Last.

CAPABILITY STATEMENT

HMG HAS BEEN
**DELIVERING HIGH QUALITY
HEAVY ENGINEERING
SERVICES FOR MORE THAN
60 YEARS. WHAT WE DO
STANDS THE TEST OF TIME.**



HMG

We design, manufacture and refurbish components and assemblies used in heavy equipment and fixed plants across a wide range of industries.

WHAT WE DO

- Engineering & Manufacturing
- Blasting, Stripping & Inspection
- Industrial Chroming
- Thermal Reclamation
- Surface Finishing
- Assembly & Testing
- Painting & Packing

INDUSTRIES WE SERVE

- Mining
- Oil and Gas
- Heavy Industry
- Agriculture
- Defence
- Aerospace Industry
- Other

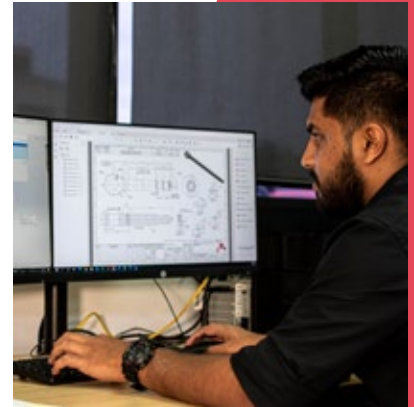


OUR COMPANY



OUR COMPANY

HMG works with companies in Australia and globally to **improve the uptime** of their heavy equipment and machinery.



HMG started life as a small surface finishing shop in 1959. Today, we are a global leader in the design, manufacture and refurbishment of components and assemblies used in heavy industries.

With 9,700m² of undercover workshop floor space, our capabilities span engineering and manufacturing, blasting, stripping and inspection, surface finishing, assembly and testing, and painting and packing.

HMG makes things to last. We rely on business practices and work methods honed over more than 60 years to deliver products and services of superior quality.

HMG makes things to last. We rely on business practices and work methods honed over more than 60 years to deliver products and services of superior quality. We increase the productivity, performance and profits of leaders across multiple industries such as mining, oil and gas, energy, defence, construction, shipping, lift and shift, transport, aerospace and agriculture by reducing their downtime and maintenance costs.

OUR COMMITMENTS

HMG's quality, safety and environmental management systems are **accredited to international standards.**



ISO 45001
Occupational
Health and
Safety
SAI GLOBAL



Quality
ISO 9001
SAI GLOBAL



Environment
ISO 14001
SAI GLOBAL

HEALTH & SAFETY

At HMG, we are committed to providing a safe and healthy work environment for all.

Founded on the belief that all incidents and injuries can be prevented, our health and safety program was developed in accordance with ISO 45001:2018 and is subject to regular third party audits to ensure standards are maintained on all jobs.

We integrate safety into all business practices and drive improvements in equipment, processes, work methods, and individual and group performances.

QUALITY

Quality is the cornerstone of our process. It's what we're known for and we work hard to protect our reputation.

We adhere to the highest standards and regimes in our industry and observe a culture of continuous improvement and are constantly improving our technologies. HMG's quality management system is accredited to ISO 9001:2016.

ENVIRONMENT

HMG is supported by a first-class environmental management system which ensures we exceed our legal obligations and comply with ISO 14001:2016, and all relevant laws and regulations.

At all times, we operate in a manner that protects the natural environment and social surroundings, preserves biodiversity, prevents pollution and minimises waste.

Our facilities recycle waste and are energy and water efficient, reusing water from our own capture systems and utilising power saving programs sponsored by the Queensland Government.

HEALTH & SAFETY
QUALITY
ENVIRONMENT



OUR GEOGRAPHIES

Made to Deliver.

HMG offers **door-to-door freight capability** on a **global scale.**

Our continual growth into global markets sees HMG's geographical footprint expanding as more and more companies throughout the Asia Pacific region and beyond call on our advanced capabilities to reduce their downtime and maintenance costs. We service companies in every state and territory in Australia as well as Papua New Guinea, Indonesia and New Zealand extensively, with a broader global reach.

Our in-depth understanding of all modes of intercontinental transport including road and rail, airfreight and sea freight, ensures parts are delivered to and from some of the world's most remote sites in the safest, fastest and most cost-effective way possible.

Shipments are planned and controlled according to industry best practice to allow up-to-the-minute monitoring and tracking of your consignment.

We also rely on the appropriate expertise to manage the smooth clearance of shipments through various customs and quarantine barriers around the world.

We are highly experienced in managing all aspects of regulatory and customs compliance including tariff advice, classification and valuation advice.



**Servicing Australia
and Asia Pacific Region**

OUR PEOPLE

We're Made to Last.

At the heart of our success is **our people**. We share an enduring commitment to **lead our industry and set higher standards.**

HMG's loyal team boasts a wealth of industry experience, with the average tenure of our employees being 16 years or more. Our customers enjoy the benefits of these years of experience with our highly skilled team providing first class reclamation and engineering services.

You don't last more than half a century in business without the best people. Every single HMG employee lives by our values of leadership, quality and integrity to move our company

forward. Piece by piece, part by part, person by person. Together we deliver solutions that help build better businesses for our clients.

Our team encompasses a wide range of backgrounds, professions and experiences. We celebrate the diversity of our team, while working as one HMG. We support our position as industry leaders by providing professional growth opportunities and encouraging our people to learn.





OUR CAPABILITIES



ENGINEERING AND MANUFACTURING

HMG specialises in the manufacturing of components and assemblies used in heavy machinery and fixed plant equipment.

In demanding environments, you need precision parts that are machined to last. With a reputation for superior quality, HMG is the preferred supplier of machining and subtractive manufacturing services to heavy industry leaders looking to reduce their downtime and maintenance costs.

At our 4,000m² state-of-the-art machine shop in Brisbane, HMG provides companies throughout the Asia Pacific region and globally with a single source for their computer numerical control (CNC) machining, reverse engineering, drilling, grinding, boring, turning and milling requirements.

We can take your project from start to finish, ensuring it meets the ISO 9001:2016 Standard.

HMG's ongoing investments in machinery, employee training and quality improvements, qualify us to satisfy the most challenging assignments. Many of our machinists have been with us for more than 20 years. Their craftsmanship and experience affords a unique perspective to manufacturing that offers lower costs, greater efficiencies and ultimately better on-time delivery performance.

All cylinders manufactured at HMG are certified Australian Made products. If you're buying an HMG manufactured cylinder, you're buying Australian Made.

CAPACITY

- Lathes up to 1,200mm diameter and 6,000mm in length.
- Honers up to 500mm diameter and 10,000mm in length.
- 6 x milling machines up to 3,200mm x 1,750mm tables.
- 3 x Horizontal boring machines up to 3,000mm x 2,000mm tables.
- CNC lathes and machining centres to handle production up to 740mm diameter and 6,000mm in length.
- Deep hole boring from 120mm up to 500mm diameter.
- 4 x welding rotators with capacity up to 1,400mm diameter and 16,000mm long.
- Profile cutting table with capacity up to 4,000mm wide x 5,000mm long.
- Full welding and fabrication facility.
- Bandsaw capacity of 1,000mm wide and 840mm high.





BLASTING, STRIPPING AND INSPECTION

HMG's state-of-the-art blasting and painting enclosure is capable of handling any size job from large scale fixed plant equipment down to small components.

Abrasive blasting projects highly compressed air and an abrasive agent (steel grit, sand or powdered abrasive) at high pressure to smooth a rough surface, roughen a smooth surface or literally "blast away" any paint, dirt or surface contaminants. This preparation allows for a better application of protective coatings and paint, and is one of the most economical and effective methods of combating corrosion, chemical attack and wear.

Our extensive range of inspection benches enables HMG to safely and efficiently disassemble and inspect your equipment. For every job, we follow a detailed disassembly, inspection and specification procedure before aligning the most appropriate engineering solution to your cost and time parameters.

CAPACITY

- Garnet blasting room with non-recoverable medium 7,000mm wide and 6,000mm long.
- Bead blasting room 3,000mm wide and 6,000mm long.
- 8 x hydraulic cylinder inspection benches with capacity up to 16,000mm long.
- 200 tonne hydraulic rod press.
- Hydraulic spanner capability to 276K ft/lbs torque and 450mm across flats.
- Mobile torque spanners up to 10,500 ft/lbs torque.
- NDT (Non Destructive Testing).





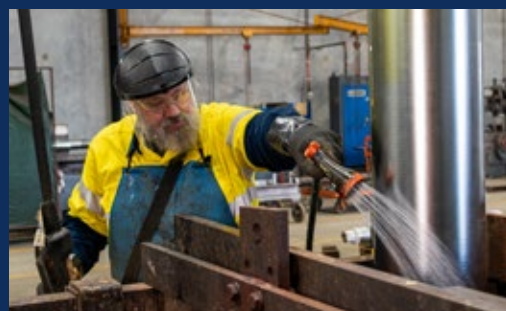
INDUSTRIAL CHROMING

HMG's 3,000m² hardchrome plating facility in Brisbane is accredited to the most stringent international standards for quality, safety and the environment.

We have the capacity to handle jobs of all sizes from a small component only a few centimetres long to the largest hydraulic excavator ram currently operating globally.

CAPACITY

- Vertical plating tanks up to 4,800mm deep x 2,600mm long x 1,200mm wide.
- Pre and post baking ovens up to 5,400mm in length and 800mm wide.
- Chrome analysis laboratory with Salt Spray testing cabinet.
- Vertical plating tanks dedicated to the hardchrome plating of wedge wire screens.





THERMAL RECLAMATION

Since starting life as a small surface finishing shop in 1959, HMG has grown to become one of the world’s most trusted names in thermal spray coating technologies.

Backed by our state-of-the-art, purpose-built arc spraying and high velocity oxy-fuel (HVOF) facility, our company has a reputation for providing industry best outcomes for companies operating in mining, construction, oil and gas and other heavy industries.

CAPACITY

- HVOF up to 500mm diameter and 6,000mm in length.
- Arc Spray up to 500mm diameter and 6,000mm in length.





SURFACE FINISHING

HMG leads the Asia Pacific region in surface finishing technologies.

HMG's surface finishing workshop boasts a large capacity combined with the latest CNC technology for maximum throughput and precision. Our team of highly skilled machinists ensure every component, whether its reclaimed or manufactured in-house, is finished to the highest possible standards, enforced by our stringent QA processes.

CAPACITY

- 5 x polishing machines up to 840mm diameter and 10,000mm length.
- 9 x external grinding machines up to 920mm diameter and 5,500mm in length.
- 2 x CNC grinders up to 800mm diameter and 6,000mm in length.
- 2 x internal grinding machines up to 700mm diameter and 500mm in length.





ASSEMBLY AND TESTING

HMG is able to perform a range of assembly and pressure testing services for pressure control components as well as hydraulic cylinders, systems and equipment used in mining, oil and gas and other heavy industries.

Quality is the cornerstone to our assembly process. We adhere to the highest quality standards and regimes in our industry. Our extensive assembly and testing bench capability enable HMG to reassemble your equipment with either OEM or aftermarket seal and bearing options, to ensure you get maximum service life out of your equipment.

Our pressure testing experts offers you a realm of experience to ensure your heavy machinery and fixed plant equipment is safe, compliant and productive.

Our state-of-the-art high pressure testing equipment and experienced engineers are able to evaluate various hydraulic equipment and systems. These may include hydraulic cylinder assemblies, control valves, rotary joints / actuators, stack tubes / pipes and hoses. All testing can be supported with pressure chart records and fluid cleanliness reports.

CAPACITY

- 5 x assembly and testing benches with capacity up to 16,000mm long.
- Pressure testing up to 5,000 PSI.
- 1 x hydraulic spanner capability to 276K ft/lbs torque and 450mm across flats.
- 5 x torque spanners up to 8,000 ft/lbs torque.
- 2 x specialised assembly/disassembly blocks designed for front and rear suspension cylinders.
- 10,000 PSI data logging.



PAINTING AND PACKING

Whatever the job, HMG's purpose built painting enclosure delivers coatings with the highest level of protection.

Our large workshop allows our experienced painters to work in a controlled environment, limiting the chances of defects within the finished product. HMG remains at the forefront of technology and are adept at the selection and application of high-performance coating systems such as polyureas, elastomers and specialist wear resistant coatings.

Once your product is painted, we use our years of experience to tailor a packing solution to ensure it gets to your door as good as it leaves ours. This may include foam wrapping, boxing, strapping and the design and fabrication of stillages and shipping frames in accordance with Australian standard to facilitate direct to line supply.

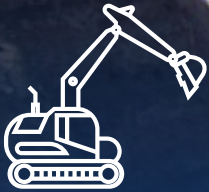
CAPACITY

- Heated spray booth facility 3,900mm wide and 14,000mm long.
- 12 tonne overhead crane capacity.
- Single pack (enamel) finishes.
- Two pack (epoxy).
- Offshore three coat paint system - carbon and stainless steel.
- Two coat epoxy for surface and subsea service.
- Anti-corrosive wrapping



OUR INDUSTRIES

MADE TO WORK.



MINING

In mining, downtime matters. No heavy engineering company understands this better than HMG and that's why many of the world's leading mining operators and equipment manufacturers turn to our company to increase their asset productivity and performance. We have the facilities, people and processes to deliver best of breed outcomes.

HMG provides mining clients such as Thiess, BHP, Glencore, Anglo, Hitachi, Caterpillar and Komatsu, with a single source for their machining, fabrication, surface finishing and inspection requirements. While we are well known for hydraulic cylinder remanufacturing, we have also repaired and manufactured an impressive inventory of other high wear mining parts such as wedge wire screens and eccentric shafts.



OIL AND GAS

HMG has grown its workshop capabilities to become a supplier of reclamation and manufacturer of pressure control components for a range of customers within the oil and gas industry.

We provide a single source for all their machining, fabrication, surface finishing and inspection requirements at our state-of-the-art workshop in Brisbane which has 9,700m² of floor space under cover.

Our team of technicians have a deep understanding of the unique demands of the industry, and our rigorous quality control processes ensure we consistently deliver reliable products that perform under extreme conditions.



HEAVY INDUSTRY

We support our heavy industry customers across the construction, shift and lift, and shipping industries with heavy engineering services to keep their machines running longer and stronger.

HMG has worked in heavy industrial environments for more than 50 years and turned our expert hand to thousands of jobs over time. We have the staff, the right equipment and track record to have your repaired or reconditioned component back working for you in the shortest time possible.

We understand better than any company that downtime can translate to millions of dollars in lost earnings. We have responded to this challenge head on by launching new programs to deliver greater uptimes and cost savings.



AGRICULTURE

The universal challenge facing all agricultural companies is how to do more in less time. By housing all things heavy engineering under one roof, from blasting and stripping, through engineering and manufacturing to surface finishing and painting, HMG dramatically reduces time frames and gets your mobile fleet back to work faster.

We also have the equipment, people and processes to do the job right. Every component or assembly that leaves our workshop, from the largest hydraulic cylinder on the market down to the smallest bearing, is Made to Last.



DEFENCE

HMG is proud to have supported Australia's defence by providing high quality engineering services to the army, navy and air force.

HMG's comprehensive heavy engineering capabilities enable us to cover all areas of our nation's defence from refurbishing components used by mobile fleet to manufacturing equipment needed at base facilities.

We have the capacity to provide a single source for all their machining, fabrication, surface finishing and inspection requirements at our state-of-the-art workshop in Brisbane.



OTHER

HMG's ability to apply the most advanced and well considered technical advice, allows us to successfully answer many unique and complex engineering challenges.

HMG is at the forefront of technology and innovation within the industry, continually pushing the boundaries. We actively explore and implement new techniques and ideas to promote continuous improvement in everything we do.

Our jobs portfolio includes an impressive inventory of parts used in the aerospace, packaging, food and beverage, manufacturing, printing, civil and maritime industries.

Made to Last.

MINING | OIL & GAS | HEAVY INDUSTRY | AGRICULTURE | DEFENCE



Servicing Australia
and Asia Pacific Region

BHP HITACHI THIESS



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