



AUSTCHROME

RE-ENGINEERING POSSIBILITIES



CAPABILITY STATEMENT 2022



**WE ARE A COMPANY
BUILT BY OUR PEOPLE**

WHO WE ARE

WE ARE A COMPANY BUILT BY OUR PEOPLE, AND IT'S OUR PROMISE TO DELIVER AN UNPARALLELED SERVICE THAT ENSURES ASSET UPTIME AND BOOSTS PRODUCTIVITY.



Following almost 30 years in business, it's inbuilt in our ethos to consistently deliver a broad range of high-quality in-house reclamation and reconditioning solutions efficiently and effectively, while continuing to nurture our strong customer relationships.

Our highly skilled and trusted team performs a range of services including complete hydraulic cylinder overhauls, chrome plating, machining services and thermal spray coatings.

Our vast experience has allowed us to persistently fine tune our processes, meaning our customers can trust the work is completed to the highest possible standards every time. Our ISO certifications in Quality (ISO 9001 :2015), Environment (ISO 14001 :2015) and Safety (ISO 45001 :2018) underpin everything we do.

Servicing customers throughout Australia and the Indo-Pacific regions, our workshops are well equipped to offer chrome plating and high velocity oxygen fuel (HVOF) coatings on components of all sizes. Further, our chrome plating workshop is best-in-class and meets environmental standards by utilising a zero-discharge recovery system. With sizeable tanks available, we cater for a wide range of large-scale components.

From repairing old to manufacturing new, our in-shop capabilities are comprehensive and unsurpassed.

It's due to our first-class facilities and cutting-edge equipment, coupled with our agile, highly skilled, and adaptable team, that we can replicate our turn-key solutions when and where they're needed most - on any site, on any asset, anywhere in the world.



WE OFFER A COMPLETE SOLUTION THAT CAN BE REPLICATED ON ANY SITE, ANY ASSET, ANYWHERE IN THE WORLD.

OUR HISTORY

1994

Austchrome Opens

1998–2000

Austchrome capabilities expand. With HVOF in full operation, our team grows to 50 employees.

2003–2008

Further expansion of our operations, including additional land, sheds, and operational areas. Facility departments extend to accommodate larger components.

2009–2015

Austchrome commissions multiple automated machines and continues to expand facility areas, including new office block built.

2017–2018

Austchrome grows to 100 staff and continues to support industry demands with additional sheds and equipment.

Austchrome undergoes a brand refresh reflective of our history and vision. We are a company built by our people. Our people are our brand and since the beginning, we've instilled strong family values and will retain these as we evolve.

Today, Austchrome has over 4,000m² of undercover workshop area, fitted with a range of specialised and modern equipment. Our large capacity workshops include dedicated areas for disassembly, assembly and testing; weld shop; hardchrome rooms; thermal application rooms; paint and dispatch areas.

2022 →

THE AUSTCHROME DIFFERENCE

OUR PEOPLE & CUSTOMER RELATIONSHIPS

Our people are our brand. They are an extension of us and an integral part of who we are. That's why it's ingrained in our culture to invest in them to ensure they thrive.

From our early beginnings, our business was based on strong family values. Almost 30 years on, this still rings true, and while some things have changed, it's these values, as well as our knowledge and expertise, that sets us apart.

It's through our highly skilled and trusted team that we can offer a service that is second to none. Our team thrives on working collaboratively with our customers to ensure we understand the specific needs, before providing straightforward and tailored solutions that will reduce costs and maximise componentry performance.

Austchrome's leadership team has over 75 years of combined industry knowledge. It's this experience and specialised understanding of reclamation services that is the backbone of our operations. We understand the value in this and as a result, make it our priority to invest in our people through ongoing up-skilling, inhouse training and an array of apprenticeship opportunities.

ON TIME – HIGH QUALITY

We offer complete repair solutions, not just services.

We get to know our customers' businesses and partner with them to provide opportunities to extend asset life and increases productivity.

As a leading, independent solutions provider, Austchrome guarantees customers a reliable, on time, high-quality, in full delivery through the combination of our skilled workforce, cutting-edge equipment, and lean manufacturing principles.



**WE'RE AGILE, FLEXIBLE
AND PROACTIVE. OUR
RELATIONSHIPS ARE
OUR PRIORITY.**



**OUR HIGHLY SKILLED
TEAM IS HOW WE OFFER
A SERVICE THAT IS
SECOND TO NONE.**

SAFETY

High standards are not just something we aspire to.

Austchrome is committed to best-practice industry standards and holds third party accreditation to international standards in Health & Safety, Environment and Quality.

At Austchrome, one of our core goals is no harm. We are consistent in providing strong results and believe the key to continually meeting these is by encouraging our team to share learnings, listen, respect and respond positively. At every step of the way,

our people are supported and enabled to look out for each other and the environment in which we work.

Our Quality accreditation reflects our robust systems and processes, founded to ensure Austchrome delivers outstanding services and products every time. Continuous improvement programs are part of our everyday processes, so we can capture new ideas and technologies in an everchanging industry.



MODERN & LEAN

Lean manufacturing principles have been embedded into our business and operational approach, as well as all workshop facility processes and equipment set up.

The resulting efficiencies drive our team's performance, inclusive team culture and ability to consistently deliver on time and in full. Our technically advanced equipment underpins our capacity, extending our range of options and capabilities.

Continuous improvement programs are easily accessible for our team, bringing focus on the improvements that can be made to individual tasks across safety, efficiency, and customer experience.

WORKSHOP & TECHNICAL

Our first-class facilities and cutting-edge equipment, coupled with our agility and adaptability allow us to offer a complete solution that can be replicated on any site, any asset, anywhere in the world.

Our workshop operations team consists of qualified fitters, machinists and boilermakers who have the proven skills to undertake high quality, timely work. Our technicians' skills are supported by strong operational procedures ensuring our renowned craftsmanship is implemented into every project.

Sharing and growing the knowledge of our team is exceptionally important

and Austchrome is proud to offer a range of trade apprenticeships, including mature age opportunities, within our local community. Further supporting our staff, we provide informal training and in-house specialised task knowledge. Recognising these skill sharing moments also plays an important role in our overall commitment to quality qualified tradespeople.

OUR CAPABILITIES

OUR EXPERTISE AND KNOWLEDGE ARE WHY WE'RE THE LEADING CHOICE FOR ENGINEERING AND RECLAMATION SERVICES.

We are specialists in hydraulic cylinder manufacture and repair, component reclamation and surface technology solutions. We're adaptable, agile, flexible and proactive.

Austchrome offers dedicated and tailored solutions for all aspects of repairs and our facility supports this via cutting-edge equipment and experienced, trade qualified operators.

Our expansive 4,000m² undercover workshop is fitted with a range of specialised equipment, offering large inspection bays, painting booths and dozens of overhead and jib cranes. This facility is tailor-made to meet the largest reclamation requirements - we can redraw, reverse engineer and manufacture.

OUR PROCESS



COST SAVING APPROACH

Our team operates modern equipment and has built efficient practices throughout the rebuild process. We can repair to a requested scope only and offer both OEM and aftermarket parts to help control repair costs.

COMPUTER CONTROLLED MACHINERY

We have a suite of modern CNC machines and robotics, enabling us to provide the best quality product, whilst maintaining the highest efficiency through process automation.

AUSTCHROME PILLARS

Whether we overhaul or manufacture, our 5 key areas of services support the business. These areas are Repair & Service, Industrial Chroming, Thermal Reclamation, Engineer & Manufacture and Paint & Pack.

EXPERT SERVICES

Delivering solutions for almost 30 years, our knowledge and expertise in the craft of machining, chroming and repair is unmatched. We provide the best industry product knowledge and service across all our product offerings, supported by highly skilled and valued staff.

QUALITY SYSTEMS, PRODUCT IMPROVEMENTS

Our robust Safety & Quality Management systems and Continuous Improvement programs enable delivery of high-quality products with minimal disruption through non-conformance. We hold ISO accreditations for Quality, Safety & Environment.

ON TIME IN FULL

Our goal is always customer component delivery OTIF as per expectations. This results in less machine downtime and is underpinned by our cost saving approach. We back our workmanship and products with an extensive warranty.



REPAIR AND SERVICE

EXPANSIVE WORKSPACES ALLOW AUSTCHROME TO CAREFULLY CONDUCT THOROUGH INSPECTIONS DURING DISASSEMBLY ON ALL EQUIPMENT AND COMPONENTS.

We have a range of disassembly and assembly workbenches, both horizontal and vertical, allowing even the largest of items to be accessible and disassembled correctly and safely.

Crack and pressure testing are included as an Austchrome standard. Once inspection is complete, appropriate and detailed, reclamation recommendations will be made, taking into consideration budget, time and performance needs.

- **IN-HOUSE PRESSURE & CRACK TESTING**
- **NON-DESTRUCTIVE TESTING**
- **3 X HONES UP TO 12,000MM & 600MM DIAMETER**
- **4 X HORIZONTAL D&A BENCHES UP TO 15,000MM LONG & 850MM DIAMETER WITH 130,000 NM OF TORQUE**
- **1 X VERTICAL D&A BENCH**

INDUSTRIAL CHROMING

OUR EXPERTISE WILL PRODUCE A FINISH THAT REDUCES FRICTION AND IMPROVES DURABILITY, ULTIMATELY INCREASING MACHINE PRODUCTIVITY AND PERFORMANCE.

Utilising hard chrome finishes for hydraulic equipment requires specialised understanding and knowledge. We have that.

We understand the detailed specifications required to produce and deliver components of the highest possible standard, and we have been delivering this to our customers for almost 30 years.

With the largest hard chrome plating facility in the region, our oversized tanks allow us to offer plating on heavy equipment components up to 5m with ease. We process both new and used componentry following key steps of plating, grinding, and polishing.

- **1 X CAUSTIC TANK FOR CHROME REMOVAL 5,000MM DEPTH X 1,000MM WIDE**
- **3 X HARD CHROME TANKS MAX ANODE 4,800MM DEPTH X 500MM DIAMETER**
- **5 X POLISHERS MAX 5,000MM LONG X 500MM DIAMETER**
- **3 X GRINDERS MAX 4,000MM LONG X 500MM DIAMETER**

ENGINEER & MANUFACTURE

AUSTCHROME DELIVERS TAILORED SOLUTIONS, FROM DESIGN AND MANUFACTURE TO BORING AND MILLING.

Our services combine skilled trades with new high quality computer numerical control (CNC) machines. Experienced machinists operate a range of large capacity turning, horizontal boring, vertical boring and milling machines.

Austchrome covers all aspect of general machining, fabrication, and fitting. Our facility equipment is set up to deliver high levels of surface finish and tolerance. With capacity to machine components up to 8m long, we cover the smallest of details on the largest pieces of your machines.

- **MANUAL LATHES UP TO 1,500MM DIAMETER AND 8,000MM IN LENGTH.**
- **CNC LATHES UP TO 1,200MM DIAMETER AND 5,000MM IN LENGTH.**
- **CNC BORER AXIS X = 3,000MM, Y = 2,000MM, Z = 1,600MM MAX LOAD 15T**
- **CNC MILLS UP TO X = 3,000MM, Y = 1,700MM, Z = 1,000MM MAX LOAD 8T**
- **WELDING ROTATOR 1,500MM DIAMETER MAX LOAD 5T**
- **ID WELDING UP TO 600MM**
- **BANDSAW CAPACITY 845MM DIAMETER**
- **MIG, TIG, SUB ARC WELDING APPLICATIONS**
- **VERTICAL BORER 1,800MM DIAMETER X 2,000MM HIGH**



THERMAL RECLAMATION

AUSTCHROME HAS BEEN PROVIDING HVOF AND THERMAL COATING TECHNOLOGY FOR OVER 20 YEARS.

We are highly experienced with this technique and offer our expertise when selecting a finish for every component. Thermal Spray Coatings offer substantial protection for components, producing dense, hard and wear resistant coverage.

Thermal reclamation solutions are tailored to suit budget, time, and application needs. We offer a wide range of coatings and application methods in addition to HVOF, we apply via arc spray and plasma transferred arc. With large blast and paint rooms, and multiple application machines, we excel in fast delivery of quality finished products for every specification across all industries.

- **4 X SPRAY ROOMS MAX SIZE = 8,000MM X 5,000MM**
- **1 BLAST ROOM = 4,000MM X 4,000MM**
- **2 X JP5000 & 2 X JP8000 TAFE HIGH VELOCITY OXYGEN FUEL (HVOF) GUNS**
- **1 X ARC SPRAY GUN**
- **HORIZONTAL ROTATOR - 1,200MM DIAMETER & 5,000MM BETWEEN CENTRES MAX LOAD 5T**
- **VERTICAL ROTATOR -1,500MM DIAMETER MAX LOAD 5T**



PAINT AND PACK

FINISHING THE PRODUCT IS JUST AS IMPORTANT AS THE RECLAMATION PROCESS.

Austchrome offers a range of solutions to protect products during transport and before installation. We can customise paint finishes with a choice of identification colours and finishes, including enamel and epoxy paints.

Once an item is ready for shipment, custom and protective packaging methods ensure goods arrive in the same high-quality as they leave our workshop. With wrapping technologies to protect items from the elements, UV radiation damage and corrosion, this prolongs the finished quality of components during transport and storage periods. We also supply a range of steel stillages and stands or can manufacture these to suit our customer's specific site needs.

- 2 X PAINT BOOTH MAX 12,000MM LONG
- BLAST BOOTH -MAX 10M
- RANGE OF PROTECTIVE WRAPPING
- SITE COMPLIANT WRAPPING PROCEDURES

WHAT OUR CUSTOMERS SAY

SPECIALISED. CREATIVE. TRUST THEM IMPLICITLY. COMPETITIVE. THEY ALWAYS COME UP WITH A SOLUTION TO OUR PROBLEM. RESPONSIVE, HIGH QUALITY, GOOD PEOPLE. I CAN LEAN ON THEM. QUALITY. THEY GO ABOVE AND BEYOND.

Source: Customer satisfaction research project February 2021.

INDUSTRIES

AUSTCHROME HAS THE PROVEN EXPERIENCE TO DELIVER ADVANCED, SPECIALISED AND CUSTOMER FOCUSED SOLUTION PACKAGES.

We are adaptive, and with ever-changing technology we have the ability to improve the way we provide our solutions and technical insight. **Austchrome services industries such as mining, agriculture,**

defence and heavy industry. Though industry goals may vary, our flexible and customer-focused solutions strive to deliver what is most important when it comes to business needs.

MINING | AGRICULTURE | DEFENCE | HEAVY INDUSTRY



SERVICING AUSTRALIA AND INDO-PACIFIC REGION

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**YOU IMAGINE
THE POSSIBILITIES,
WE'LL ENGINEER
YOUR VISION, &
RE-CLAIM YOUR
ASSET'S VALUE.**



RE-ENGINEERING POSSIBILITIES

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