

YOUR PARTNER IN

FULL SERVICE

ADVANCED MANUFACTURING

AUSTRALIA

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UNITED STATES

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CONTACT

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THE STÄRKE-AMG

YOUR PARTNER IN FULL-SERVICE ADVANCED MANUFACTURING

Stärke-AMG is a group of synergistic, vertically integrated, advanced manufacturing companies.

We are assisting companies in all different industries to unlock mass production of complex, high performance, robust and reliable components.

We've been helping customers in all different sectors to unlock their true potential by removing engineering and manufacturing barriers, providing them with turn-key solutions, high performance, and reliable components. We've been embracing new sustainable manufacturing technologies and formed strong strategic partnerships with complementary companies.

Access individually or for larger, complex projects harness the power of the group...

Stärke-AMG companies:



VPG INNOVATION

Industrial and Product Design, Prototyping including 3D Metal and Plastic, Development and Commercialisation of innovative products, Support to clients via identifying engineering and component supply solutions.



QPE ADVANCED MACHINING

Precision Machining from small to 6m x 3m, AS9100D and ISO9001:2015 certified, Complex programs involving plating, painting, finishing, Assembly of complex systems incorporating PLC, Electronics, Electrics, Hydraulics, Pneumatics, Robots, Testing and Fabricated Assemblies.



PRECISE MACHINING AND MANUFACTURING

Australian manufactured tooling for plastic, composites, diecast, stamping, Along with Precision Machining, and Laser Welding.



STÄRKE TOOLING

Global supply of Tooling, Global supply of components including stampings, mouldings, castings and machined products, Global supply of assemblies, 3D printed conformal cooling solutions, and Tooling



STÄRKE-AMG INCORPORATED

Design and manufacture of Tooling for North America, Tool Servicing and Support, Mould tryout and production.



MCMAHON METAL FABRICATION

Project Management, Sheet Metal Work, Metal Guillotining, Folding, and Rolling.

**WE ARE 100 % AUSTRALIAN OWNED,
WITH MANUFACTURING FACILITIES
BASED IN SOUTH AUSTRALIA AND
MICHIGAN USA**

Effortless and reliable end-to-end product development
processes done in a sustainable, safe way.

Our vision is to become a world-wide leader in advanced manufacturing, assisting companies in all different industries to unlock mass production of high complexity, high performance, robust and reliable components. To continuously exceed our customers' expectations in quality turn-key solutions, flexible lead times, and end-to-end product development processes, while saving time and money.



Over 50 years of experience in project management and through life support, collaborating with Defence Primes



FROM CONCEPT TO REALITY

Stärke-AMG is a networked group of companies with extensive advanced manufacturing capabilities. Access individually or for larger, more complex projects you can harness the power of the group.

Our highly skilled team includes industrial designers, engineers, professional project managers, advanced manufacturing experts, commercialisation and marketing specialists. We provide end-to-end product design & development and take your concept on the journey from prototype to pallet.

With manufacturing facilities in both Australia and Michigan, USA, we serve all industries with global supply of prototypes, low and high volume manufacturing and assembly, 3D printed metal and plastic components, precision machined components, fabrication, tooling to produce castings, stampings and mouldings, production jigs and fixtures and electronic hardware integration.



WE ARE THE COMMERCIALISATION
SPECIALISTS

GLOBAL DESIGN, ENGINEERING, MANUFACTURING, MARKETING

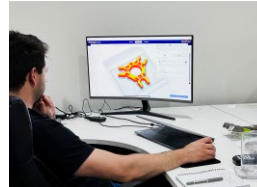
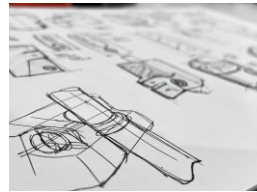
- Moulded, machined, 3D printed or fabricated
- Plastic, metal or composite materials
- Complex or simple products
- Low or high volume
- Start-Up or OEM

CERTIFICATIONS

QUALITY CERTIFIED

ISO 9001

AS-9100D



YOUR PRODUCT'S MANUFACTURING JOURNEY

Design, create and upgrade: No matter the stage of the product development you are in, we have all the capabilities to support your journey to commercialisation

Concept, design, prototype and testing of product. Ensure product-market fit



Making of tools, jigs/fixtures, CNC machining, procurement, production processes



Marketing and branding, product lifecycle support, product redesign and upgrades



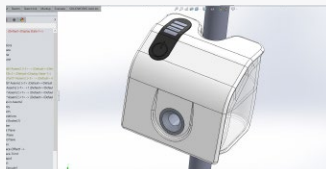
Rapid manufacture, product assembly, packaging, and shipping



TRUSTED BY



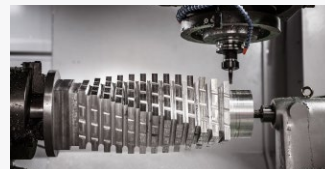
CAPABILITIES



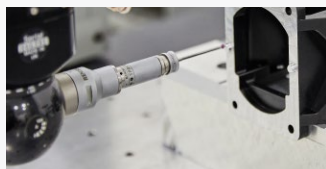
Concept Design & Engineering



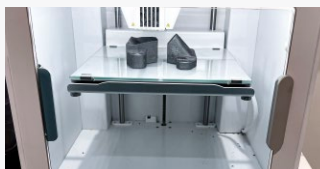
CAD Modelling and Prototyping



5-axis CNC Milling



Metrology services and Product Testing



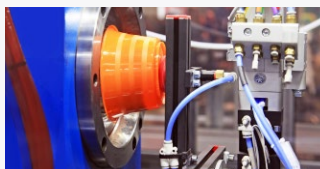
Metal and Plastic 3D Printing



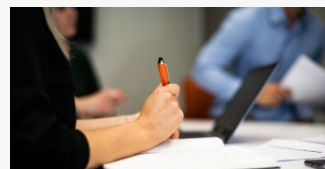
Mould & Die Manufacturing



Supply Chain Management



Rapid Manufacturing



Commercialisation Support



Product Branding and Marketing



Full product lifecycle support



DEVELOP AND VALIDATE

We can accelerate prototype development with our 3D printing and modelling capabilities. This allows continuous testing and improvement to the prototype's usability and functionality.



DISTRIBUTE AND SELL

Our in-house marketing team help you develop your branding, packaging, and marketing assets for a successful entry into the market.



TOOL UP AND MANUFACTURE

Through best-practice production strategies and processes, we can help you unlock mass production of high complexity, high performance, robust and reliable components.



IMPROVE AND REPEAT

We can optimise your product to provide improved value or improved engineering. We can also help you scale up production to incorporate.

INDUSTRIAL-GRADE 3D PRINTING



LEADING-EDGE 3D PRINTERS

From Ultimaker to GE Arcams, we've got world-class printers in-house. From FDM to EBM, we have the 3D printing process to fit your requirements.



DURABLE, HIGH QUALITY MATERIALS

We have the best suited materials for your print: from UV-resistant PLA, multi-colour ABS, Flexible TPU, Carbon Fibre mixed with Nylon Filament or Titanium Ti64, you get a broad choice of the latest additive manufacturing materials and processes.



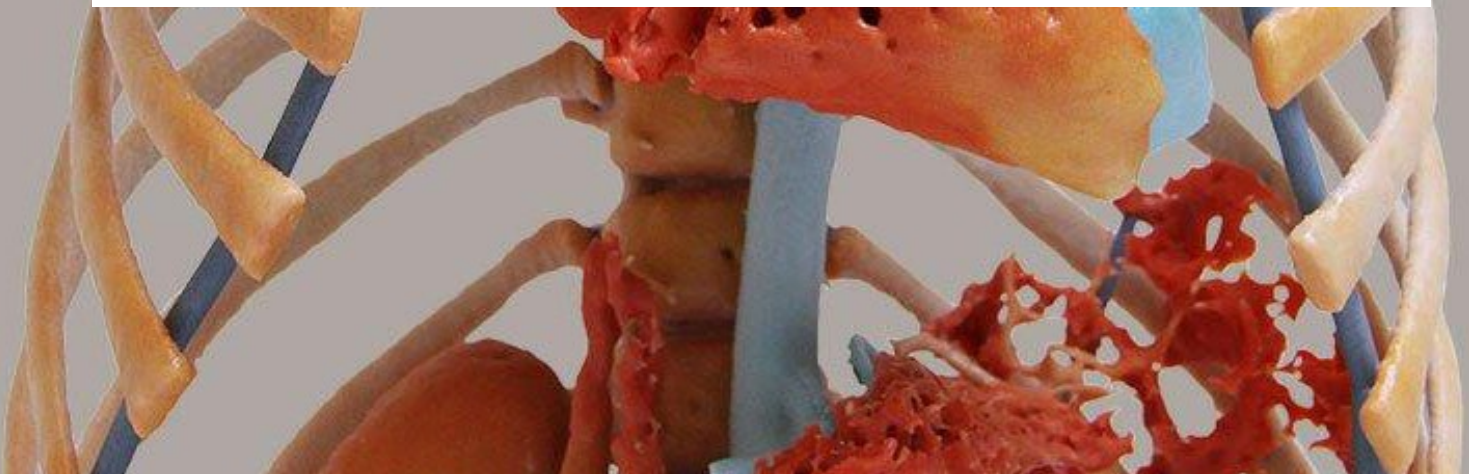
MORE THAN 3D PRINTING

Do you need Design & Engineering, Procurement, CNC milling, Moulding or Tooling? We provide you full turnkey capabilities from Design For Manufacture to supply chain procurement, fabrication and product assembly with the support of the Starke-AMG.



ON-DEMAND 3D PROJECTS

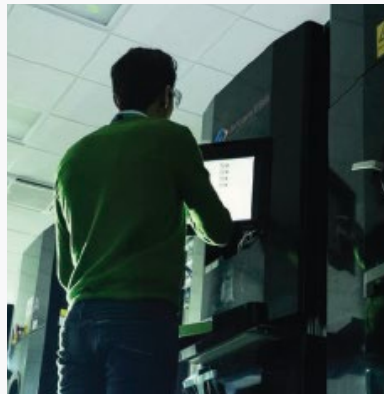
Our team of engineers and industrial designers consult with you to materialise your idea into commercial success according to your custom specifications.



WHY CHOOSE STÄRKE-AMG?

With a range of capabilities and over 50 years of knowledge, Stärke-AMG are 100% Australian owned and operated. We have earned our excellent reputation by delivering small and large-scale machining, advanced manufacturing, and tooling projects to high quality standards on time. Our end-to-end product development is tailored to suit each individual project and client, no project is too large nor small for Stärke-AMG.

Our continual investment in the finest machinery and methodologies, coupled with our integrity, experience, enthusiasm, commitment, and quality management procedures, ensures that we set the standard as one of Australia's leading manufacturing and maintenance support partners.



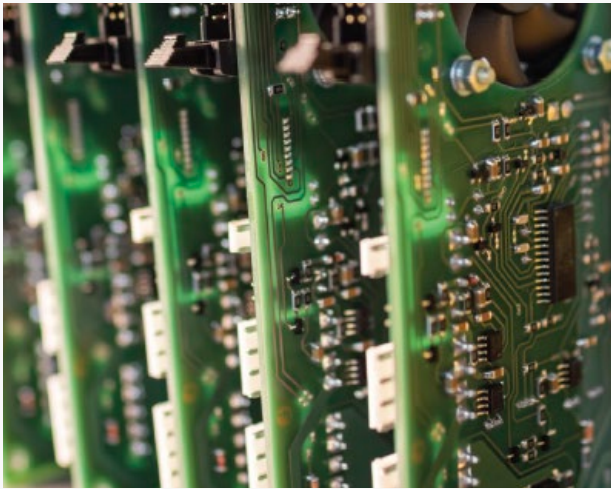
RAPID PROTOTYPING

In-house design and engineering using the latest CAD/CAM software combined with model making tools and years of manufacturing expertise. We can achieve extremely short turnaround times for product concepts to final working prototypes.

ASSEMBLY

We are experienced in all aspects of assembly from low volume complex assemblies for defence primes and industrial giants to high volume products that suit automation. Speak with our team about a scalable solution to suit your needs.





ELECTRONICS

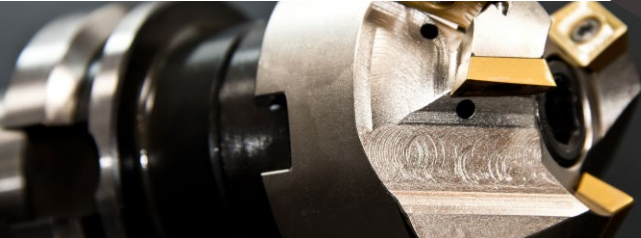
Stärke-AMG has a well-established network of local vendors that provide electronic and software products and solutions. We assist our clients to develop products involving a high degree of complexity and critical function.



FABRICATION

Stärke-AMG have a range of fabrication capabilities to suit all of your needs. From laser cutting, welding, powdercoating, painting and folding of sheet metal, to boilermaking and laser welding, cutting and grit blasting work for oil and gas projects. We have all the skills in-house and more from local vendors.





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