



ASSENT ENGINEERING

CORPORATE PROFILE

We have a passion for helping our
clients achieve their goals.
We take pride and excel in the
field of innovative design.



ASSENT ENGINEERING

BUILT ON A TEAM THAT HAS DECADES OF EXPERIENCE IN HEAVY DUTY INDUSTRIES, WE SPECIALISE IN THE DESIGN, ENGINEERING, MANUFACTURE AND MAINTENANCE OF MINING, DRILLING AND TRANSPORT EQUIPMENT.



INDUSTRY SPECIALISTS IN PERTH, WESTERN AUSTRALIA

Assent Engineering is built from a team with decades of experience in the design, engineering, manufacturing and maintenance of mining, drilling and transport equipment.

With a focus on quality and experience, our team consists of people who are proven experts in their respective fields. This includes a selection of highly skilled full-time boilermakers, one of which is a certified international welding inspector with more than 40 years' experience. We also employ a full-time fitter/mechanic, a full-time mechanical draftsman, and a mechanical engineer.

Our fully equipped workshop is set up to be able to complete any new manufacturing projects, maintenance, repairs, and modifications to drilling, mining and transport equipment that you may require.

Our passion is creating custom equipment to suit our clients' specific needs. We will carefully assess your requirements and come up with a solution that is both practical and cost-effective. Our knowledge of the industry means we have an in-depth understanding of Australian standards and specific mine site requirements.

MODIFICATIONS TO MINING EQUIPMENT

At Assent Engineering, we pride ourselves in our ability to seamlessly integrate modifications to mining, drilling and transport equipment. We have the industry experience required to take your modifications from initial design, right through to manufacture, testing and commissioning. With extensive knowledge of Western Australian mine site requirements, we can complete your design and modification and ensure its compliance for onsite work in Western Australia. Our experience ranges from the addition of hands free machines, implementation of radio remotes onto existing machines, right through to complete drill rig rebuilds.

CUSTOM EQUIPMENT

Assent Engineering employs specialised team of engineers and draftspersons who will work with you to develop and implement your custom design. We can either come to site to assess your requirements or talk through the required process and requirements. From there we will come up with a solution that is both practical and cost-effective. Working close with our clients throughout the term of the project ensures the best possible outcomes, fulfilling all requirements. We are proud of our experience in creating innovative and unique designs that keep safety, time efficiencies and expense as primary considerations.

ENGINEERING CONSULTING

At Assent Engineering we have qualified engineers that can attend 'on-site' to assess and identify issues with your equipment and provide practical solutions.

If you require engineering certification of equipment to ensure it meets Western Australian mining standards or Australian Standards, we can undertake an analysis of the equipment and provide engineering certification.

We can also produce Finite Element Analysis (FEA) Reports on equipment, to ensure the design is fit for purpose. FEA is used to highlight any weaknesses in a design and if such exist, the areas that require a change in design or strengthening.

WELDING INSPECTING AND CERTIFICATION

Assent Engineering employs a full time certified international welding inspector. Our welding inspector can attend on site to undertake welding inspections, produce Weld Procedure Specifications (WPS) and Procedure Qualification Records (PQR).

Our welding inspector is also head of welding compliance at Assent Engineering. We take pride in our production of your equipment and we hold ourselves to the highest standard of safety design and manufacture.

SPECIALISED MECHANICAL FITTING

Assent Engineering employ heavy-duty mechanics that hold high-level technical skills. Our mechanics have considerable experience in a range of different industries. Our heavy-duty mechanics are available to attend 'on-site' to diagnose issues with equipment.

If you have equipment broken down onsite, or need routine maintenance completed, the team at Assent Engineering can assist. Our field mechanics are on call to be able to attend to your equipment, wherever it may be. They will get you back up and running, minimising your downtime.

MECHANICAL DRAFTING

If you are considering a project that you need professionally modelled and drawn, Assent Engineering can provide this service. We can turn a sketch of an idea into a working 3D model, bringing your idea to life. We can animate the model showing how it will work in a real-life situation. This will also allow the elimination of costly design errors before the commencement of manufacture. Once the design is complete we can then create workshop drawings for you to progress your project to manufacture.

WORKSHOP CAPABILITIES

Assent Engineering has a fully equipped fabrication and maintenance workshop set up to be able to complete any maintenance, repairs, and modifications to mining, drilling and transport equipment.

Our workshop equipment ranges from, 500A MIG – TIG – stick welders, bandsaws, large capacity lathe, pedestal drills, pipe bender, hydraulic hose cutting machine, hydraulic hose crimping machine and more.



DESIGN



ENGINEERING



MANUFACTURING



ASSENT ENGINEERING

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