



HUSHPAK

Capability Statement

May 2026

HUSHPAK

SOUND

HUSHPAK

FIRE

HUSHPAK

**ENGINEERED TO PERFORM
BUILT TO LAST**

HUSHPAK

HEAT

HUSHPAK

DUST

Who we are

Established in 1991, Hushpak Engineering is located at Beresfield, NSW and is a leading provider of high-quality engineering solutions specialising in acoustic, noise control products and miscellaneous fabricated items. With a commitment to excellence, Hushpak Engineering offers a comprehensive range of custom designed solutions for industrial, commercial, environmental noise management and a variety of steel fabricated solutions for transportation and workstations including transportation frames and work stands, for the mining industry and associated plant and equipment. Our approach is centred around understanding and supporting our customers' evolving operational needs, delivering integrated solutions that improve safety, compliance, and performance across site. In addition to our established acoustic capabilities, Hushpak has expanded into heat and fire protection solutions, providing advanced systems designed to safeguard personnel and equipment across work environments, with dust control solutions coming soon. Our expert team combines innovative technology with years of experience to deliver reliable, efficient, and tailored outcomes that meet the specific needs of each client, from concept, to design, engineer certification, manufacturing, surface coating to delivery. Whether it's for noise enclosures, soundproofing systems, or vibration control, Hushpak Engineering is dedicated to delivering optimal performance and compliance with Australian Standards. With over 33 years of industry experience, our team is dedicated to delivering effective, compliant, and cost-efficient engineered solutions tailored to meet the specific needs of our clients for all types of steel fabrication.

A large yellow mining truck is shown in a desert-like environment, carrying a load of dark rocks. The truck is positioned in the lower half of the frame. In the top left corner, there is a large red triangle pointing downwards. The background is a hazy, overcast sky.

Quality Control

At Hushpak Engineering, we are committed to delivering high-quality steel fabrication solutions backed by robust quality control measures. With our in-house design and engineering capabilities, we ensure that all projects undergo thorough checks at every stage. This includes detailed reviews of design drawings, engineering certification of manufactured components, and stringent procedures for part identification. Our welding processes are governed by established weld procedures to guarantee consistency, strength, and compliance with industry standards. These control measures, combined with our skilled team and attention to detail, ensure that every product we deliver meets the highest quality standards and exceeds client expectations and industry standards.

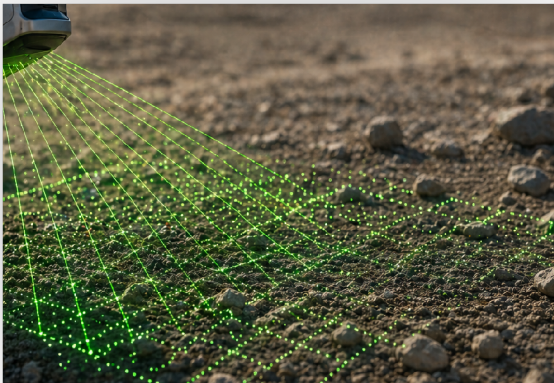
Safety

At Hushpak Engineering, safety is a top priority in all aspects of our steel fabrication operations. With dedicated management overseeing safety control, we are committed to providing a safe and secure work environment for our employees, clients, and stakeholders. Our comprehensive safety procedures are designed to meet and exceed industry standards, and we continually assess and improve our practices to prevent accidents and ensure the well-being of everyone involved. Safety is the main guiding principal in all of our designs, looking out for those who use, install and maintain our products. Through regular training, risk assessments, and a strong safety culture, Hushpak Engineering fosters a proactive approach to safety that underpins our commitment to quality and operational excellence.

Hushpak Services

Acoustic Testing

Utilising Brüel & Kjær sound level meters, we conduct precise acoustic measurements in accordance with ISO standards, enabling accurate assessment and compliance verification.



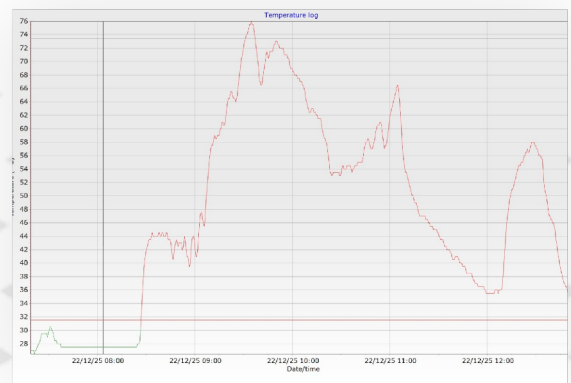
3D Scanning

Hushpak offers advanced 3D scanning for a wide range of applications including machines and equipment. We produce high quality models with 0.04 + 0.06 mm/m volumetric accuracy and high geometric resolution up to 0.05 mm.

Thermal Testing

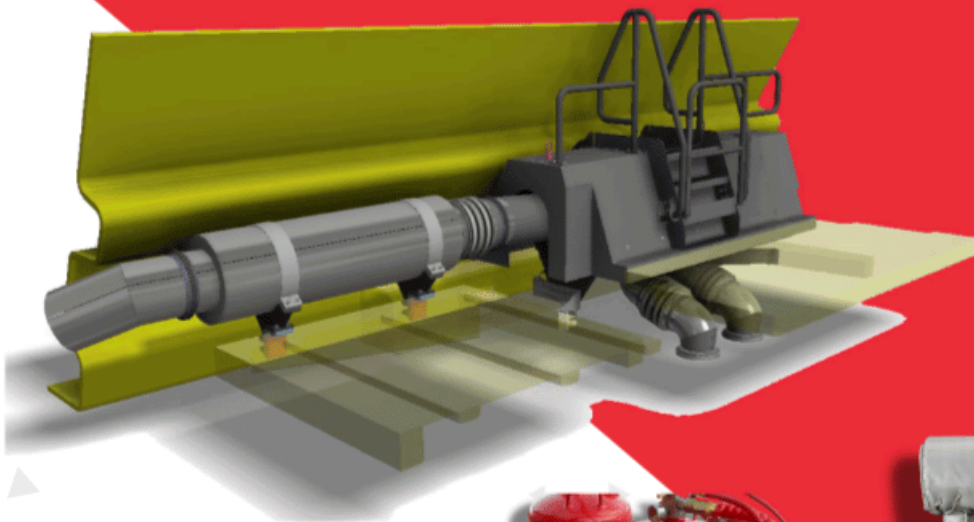
We offer thermal testing to ensure your mobile machinery remains compliant with site requirements and safety standards. Our thermal testing can also help detect problems before they lead to equipment failure. Our capabilities include:

- Temperature range 15-140 deg C.
- Logging up to 2 weeks



Mobile Machine Equipment

Hushpak engineers advanced noise, fire, heat and dust suppression systems for mobile machines right here in Australia. Our sound, fire, heat and dust suppression services help customers stay compliant with site requirements and put safety first – without compromising machine performance.



Hushpak Exhaust Systems

Improves maintenance and passes noise test at low cost

OBJECTIVE: Mt Arthur Coal have an in service noise specification for haul trucks of 123 dB (linear).

Working together with Thiess, Hushpak set out to:

1. Eliminate maintenance accessibility issues
2. Ensure compliance with the in service noise specification of 123 dB
3. Achieve the above at a fraction of the cost of traditional attenuation

BACKGROUND: Traditional “one-type-fits-all” attenuation solutions are costly and can add approximately 4 tonnes of extra equipment to the machine. This causes accessibility issues and maintenance challenges that ultimately impact on vehicle performance and payload. Plus, the machine may still not pass the noise test on the first attempt, requiring makeshift trial and error adjustments. Visual obstruction and confined space within the engine bay make it tough for maintenance staff to keep the engine bay clean and free from oil. As a result, the vehicle has high potential to overheat and there is increased risk of fire.

SOLUTION: Having noise tested hundreds of mobile machines, Hushpak has proven knowledge of acoustics and predominant noise sources. Our specifically engineered solutions are developed using sophisticated analytics and design tools to achieve exceptional results with less capital outlay.

For a CAT 793D haul truck, which can exceed 125 dB – the engine exhaust was the main noise source. Hushpak replaced the muffler with a custom designed muffler, specifically developed to treat the problem frequencies associated with the CAT 3516B HD engine.

RESULTS:

Eliminate maintenance accessibility issues

Installation of guard rails and cover over the muffler improved safety and ease of access during maintenance. Less than 450 kg was added to the vehicle – increasing payload and reducing wear and tear. Hushpak achieved less than 123dB at low capital cost. Hushpak’s custom designed muffler package achieved the target noise level immediately – without adjustment – allowing the 793D to operate in the shortest possible down time. Noise test results were 122 dB – under the in-service noise limit.

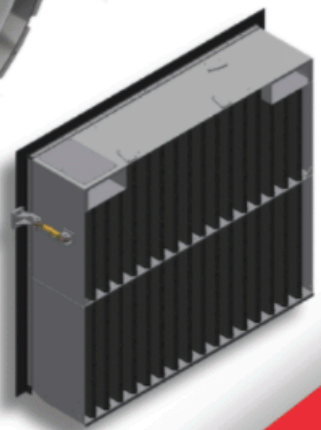


Acoustic Bodywork

Hushpak use's precise acoustic data from our sound testing services to design, manufacture and install the most effective attenuation products for mobile equipment, including dozers, excavators, graders, drilling rigs and haul trucks.

Fans and Louvres

Our louvres are designed to incorporate low air resistance with aerodynamics to maximise noise reduction whilst ensuring an appropriate level of airflow and ventilation. The louvres are purpose-built and specialised to reduce fan noise without sacrificing machine performance.



Dozer Attenuation

Hushpak continues to lead the way in research and development of dozer noise attenuation solutions. Our products and treatments successfully meet the challenge brought by the harsh environment of an operating dozer, while retaining suitable acoustic attenuation performance.

Track plate treatment

Installation of track plate dampers minimises reverberation of the track plates or grousers when the track chain strikes the sprockets and idlers. Track plate dampers are effective at removing up to 4dB(A) from the dozer sound power level and improve operator comfort.



Idler wheel treatment

Hushpak has developed a successful and cost effective method for damping idler wheels. Field testing shows Hushpak idler wheel treatment reduces the overall sound level of the dozer under most operating conditions. Attenuated idler wear rate is identical to non attenuated idlers.

Hushpak Fire Suppression Systems

Hushpak has partnered with Australian company Envirotec to deliver environmentally friendly fire suppression systems for mobile/industrial applications.

From supply through to installation and ongoing servicing, our team is equipped to provide reliable, end-to-end support backed by strong engineering expertise right here in Australia.

Using the Envirowatch system, pressure can be monitored remotely with notifications if pressure in the system is reducing overtime. Envirotec's algorithms allow for temperature change to ensure the pressure data is precise and machines are able to achieve maximum up time.

Envirotec Ultra

Envirotec's top of the line system, Envirotec Ultra, prioritises human and environmental safety through its unique external foam cylinder. This separate cylinder ensures foam is inducted at the time of discharge, ensuring quality and full form foam is generated. The foam cylinder can also be isolated for annual discharge purposes.



Hushpak Heat Suppression Systems

Hushpaks partnership with James Walker combines Australian-made removable thermal and acoustic covers with Hushpak's proven mobile machinery noise attenuation already demonstrated on large haul-truck fleets in NSW.

Hushpak has developed a Thermo-Acoustic wrap solution for mobile equipment that reduces engine-bay heat (fire risk) and noise exposure at the source, enabling compliance with Australian mining noise standards and engine-exhaust risk controls.

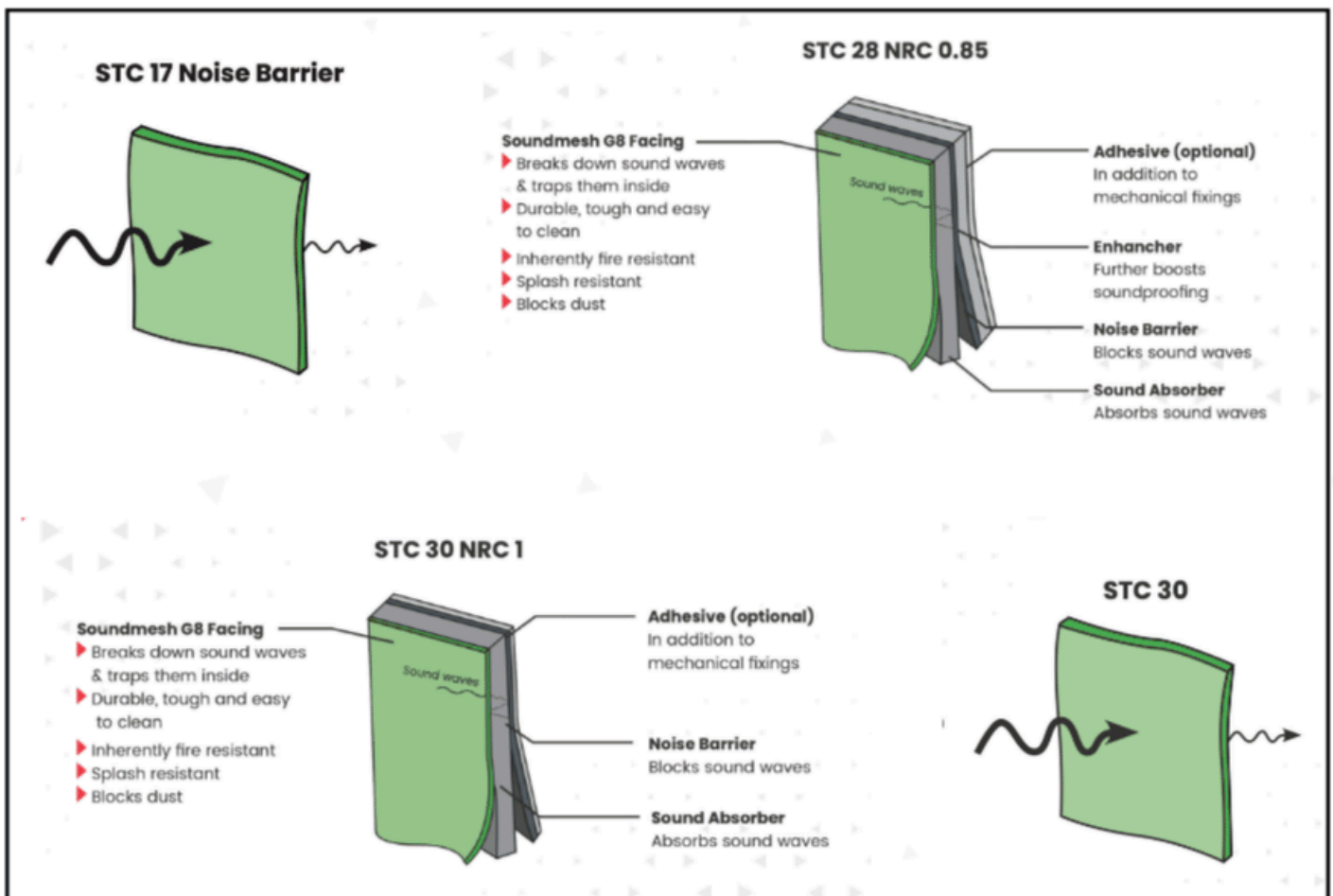
While competitors mostly offer thermal or acoustic wraps, Hushpak offers a bundled solution, offering both thermal and acoustic properties of the wraps.



Megaquiet

Hushpak Engineering is proud to unveil our latest innovation in noise control: a durable, fire-resistant sound barrier designed for maximum flexibility on-site. Easily attached to existing fencing or work structures, this lightweight and relocatable solution offers superior noise reduction while meeting stringent fire safety standards. Perfect for dynamic work environments, it's the ideal choice for temporary or semi-permanent installations where safety and performance are non-negotiable.

Our barriers are modular and available in 4 different forms. Made right here in Australia, MEGAQUIET Core, Duo, Lite and Max all offer superior sound suppression qualities for different applications and all are fire retardant, weather resistant and hard wearing. Suitable for commercial and industrial installation.





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HushClad Acoustic Cladding

Our proprietary Hushclad system offers effective noise reduction for industrial buildings. Hushclad is available in standard ColourBond colours and profiles. Hushclad's design allows for a simple and effective installation process.



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SOUND

Hushpanel

Mitigate the impacts of noise created by vehicle traffic or public recreational areas with HushPanel, Hushpak's sound barrier solution. HushPanel offers weather and corrosion-resistant acoustic fencing consisting of high-grade steel with a patented polymer laminate construction – independently tested in a NATA accredited Acoustic Testing Laboratory. Manufactured with genuine Colorbond Steel Sheeting.



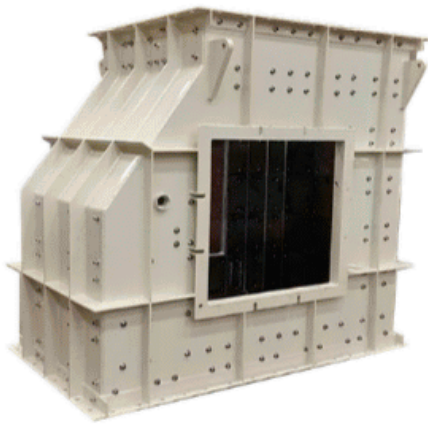
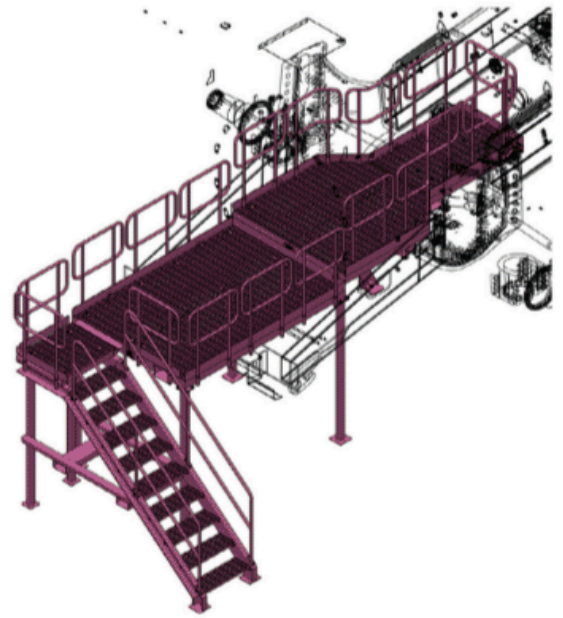


Transport Frames & Manufactured Work Stands

Hushpak Engineering specialises in the design, certification and manufacturing of high-quality work stands and transport frames. Our products are engineered with precision and durability in mind, providing reliable support for a wide range of industries. Each stand is designed for optimal performance and safety, with all models certified by Hushpak Engineering for engineering excellence. Whether you need sturdy workstation for machinery support or robust transport solutions, Hushpak delivers a quality product manufactured to our customer's requirements.

Access Platforms & Stairs

We specialise in the end-to-end design, fabrication, and certification of high-quality steel access platforms and stairs. All structures are engineered to comply with relevant Australian Standards, ensuring safety, durability, and regulatory compliance. Our platforms and stairs are equipped with robust handrails and are suitable for industrial, commercial, and infrastructure applications.



General Fabrication

Our fabrication services encompass sheet metal, structural steel, stainless steel, and aluminium, Chutes and Bins supporting diverse project needs with high-quality workmanship.

3D Printing

Hushpak is proud to introduce its new 3D Printing Division, expanding our commitment to innovative manufacturing solutions. We deliver rapid, high-precision, small-to-medium-scale production for industrial, commercial, and custom applications.

Our printing division offers: High-speed, high-resolution FDM printing, multi-material capability, including a wide range of engineering-grade plastics (PLA, PETG, ABS, ASA, Nylon, TPU, Carbon-filled materials), build volume: approx. 256 mm x 256 mm x 256 mm and Layer resolution: down to 0.1 mm.

Our 3D printing division enables fast turnaround, cost-effective small-batch production, and design flexibility that traditional manufacturing cannot match. Whether you require prototype development, replacement parts, or customised solutions, Hushpak's Professional Manufacturing approach ensures quality, reliability, and precision every time.



HushPak Group remains dedicated to delivering superior noise control solutions, leveraging our expertise to meet the evolving needs of our clients across Australia

HUSHPAK

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