



Ground breaking

Premier Rock Machinery is the new owner of MISU, the original screening bucket of choice.

NATIONAL

SORTING quality earth from rubble, rock and rubbish has long been driven by an innovative Australian product — the Mobile Integrated Screening Unit (MISU).

The MISU combines simplicity and speed to deliver piles of clean fill in the most efficient way possible.

MISU is the original screening bucket, which many subsequent designs around the world were originally based on.

The patent originated in Albury, Australia and since 1999 over 700 buckets have been sold and supported around the world.

MISU was recently purchased by Queensland company Premier Rock Machinery, which is renowned for its

innovative and diverse excavator-mounted attachments, representing quality brands such as Montabert Rock Breakers and Drills and Movax Piling attachments.

Premier Rock Machinery was also recently recognised for its innovative safety solutions being developed for the Thiess group on elevated work platforms, and has a dedicated engineering department focused on control

system innovation and mobile equipment safety.

One of the biggest challenges with re-using dug-up earth is that it is often lumpy and packed with tree roots, chunks of old concrete, building materials and rocks.

Traditional methods of removing this debris from soil has been the use of stationary giant 'sieves' which are bulky and time consuming.



ATTACH YOURSELF TO THE BEST.

MISU – THE ORIGINAL SCREENING BUCKET OF CHOICE – AUSTRALIAN ICON



- Pipeline Back Filling
- Mine Paste Plants
- Mine Tailings
- Lump screening out of Nitrogen fertiliser
- Many more applications
- Over 700 units sold since 1999.

CONTACT

☎ 07 3711 2779

✉ prm@premrock.com.au

🌐 premrock.com.au



SPECIALIST ATTACHMENTS

HYDRAULIC INSTALLATIONS

ENGINEERING SOLUTIONS

By using a patented multiple-spinning, inter-meshing rotor system which allows particles of earth to filter through, chunks of larger debris are held in the bucket to be discarded.

These rotors also crush and mix softer materials — making the most of each load.

The rotors spin two ways from a ‘floating’ position and allow free release of debris to prevent them from becoming stuck.

This floating motion allows the MISU to screen wet and muddy earth without issue.

The ‘tailing pile’ — the pile of sifted earth — is much cleaner after using a MISU and there is no need to repeat the process.

Powered by a carrier unit’s hydraulic system, a MISU bucket must be matched correctly to its carrier unit.

This ensures the weight of the bucket and carrier are properly balanced and that the horsepower of the carrier is sufficient.

MISU models vary in size, weight and function, with some of the heavier units weighing up to four tonnes and carrying four cubic meters of earth at a time.

Suitable carrier units range from a mini excavator to a 50t excavator.

Depending on the type of bucket, the size of screened material ranges from 20mm through to 80mm — allowing flexibility for the operator’s requirements.

This versatility makes the MISU the perfect companion for mining applications.

Few environments subject equipment to such a brutal range of elements as the mining industry.



MISU is adaptable for a range of mining applications.

The robust MISU copes well with mud, clay, rock and slurry providing the perfection companion in mining, though it is often used in civil and construction where back-filling of pipelines requires clean fill.

Australian-made, all spare parts can be purchased locally — reducing downtime by eliminating wait times on overseas parts or repairs.

Premier Rock Machinery sees the future growth of the MISU as being largely related to component

evolution and streamlining of manufacture.

With a focus on Australian-made quality and easy access to parts and service, the MISU looks set to remain a constant fixture in the Australian mining industry.

MORE INFORMATION: Premier Rock Machinery | 07 3711 2779 | www.premierrockmachinery.com.au

Global Design, Built Aussie Tough

The Eriez SE-7000 has been adopted by industry around the globe and now it’s built right here in Australia

The SE-7000 Series Suspended Electromagnet will remove damaging tramp metal such as rock bolts, star pickets and sections of rail tracks from coal, limestone, sand, gravel, other ores and almost any conveyed bulk material.

Features and Benefits:

- Oil expansion tank prevents condensation and protects against hot spots to extend coil life
- Coil design uses Nomex insulation with fiberglass spacers to prevent shorts
- Adjustable oil expansion tank designed for any installation angle
- Lift lugs include two side-by-side holes to allow simultaneous hoisting
- 23 magnet sizes, 69 standard models and fully engineered designs available
- Maximise the magnets life with Eriez equipment check-ups, process audits and in-plant certifications
- For hazardous applications, our experts can recommend the best advice for your specific needs



Eriez is recognised as World Authority in Separation Technologies



Call: 613 8401 7400

Email: sales.au@eriez.com

Web: Eriez.com.au

Visit Us
AIMEX
#G140