



RUSSELL
MINERAL EQUIPMENT

The new **RUSSELL All-Reach Grapple™** once again raises the standard in safety and productivity when it comes to heavy-duty mill relining. Robust, reliable and RME's best performing powered grapple yet, its superior centre of gravity (CoG) offset delivers maximum lifting power and exacting precision control of liner orientation for even the largest of loads.



BENEFITS

- Tough, durable and built-to-last quality
- Industry-best safety systems
- Powerful performance with precise control
- High payload capacity – up to 9000 kg
- Works with all liner designs including feed, shell, discharge grates and pulp lifters from leading OEMs
- Improves RUSSELL MRM utilisation, efficiency and return on asset usage
- Increase throughput by the ability to optimise liners resulting in a longer campaign



The new and improved RUSSELL All-Reach Grapple™ is designed to manage heavy and deep liners effortlessly and tackle difficult mill conditions. With five models available, it's the perfect complement to any RUSSELL Mill Relining Machine. Plus, it provides future-proofed compatibility with RME *AutoMotion™*, RME *INSIDEOUT™* Technology, and RUSSELL *Claw™* compatibility, guaranteeing maximum productivity and safety by relocating operators outside the mill during relining procedures.

Tarnya McBurney

Product Manager, RUSSELL Mill Relining Placement Machines & RUSSELL Feed Chute Transporters
RUSSELL MINERAL EQUIPMENT

RME is the world's leading Original Equipment Manufacturer (OEM) of mill relining systems.



440+

Mine sites served by RME equipment and services.



550+

RUSSELL MRMs engineered, manufactured and delivered.



FEATURES

- A RUSSELL 7 Mill Relining Machine features a three-axis grapple fixed to the end of the telescoping boom
- Grapple Slew, Grapple Rotation and Grapple Raise.
- Liner Slew, Liner Roll, Liner Raise
- Combined with the other four MRM axes, the RUSSELL 7 MRM can precisely place liners in every mill zone
- The RUSSELL All-Reach Grapple™ offers superior centre of gravity (CoG) for deeper offset liners and higher flexibility and versatility
- Easy to operate for faster relines and increased mill availability
- Enhanced design with durable components with easier removal and fitment of guarding during servicing
- Greater flexibility when choosing MRM capacity – available in 2-pin and 4-pin grapple tools
- Improved construction design increasing reliability
- Engineered for $\pm 70^\circ$ liner roll motion (140° total) for accurate liner handling
- Increased CoG offset helps future-proof MRM investment – offset improvement of up to 650 mm for higher capacity grapples
- Optimises full performance potential of RME Mill Relining System
- Hydraulic mechanism enables fast and safe liner pick-up, placement and release
- Can feature encoders for future *AutoMotion*™ upgradeability
- Compact design with hydraulic hoses hidden to minimise crushing impact risk



APPLICATIONS

- The RUSSELL All-Reach Grapple™ is purpose-built for RUSSELL Mill Relining Machines
- With a engineering assessment the RUSSELL All-Reach Grapple™ can be retrofitted onto many existing RUSSELL 7 & 8 MRMs
- Ready for use on all RUSSELL 7 MRMs from 2024 onwards
- Retrofits required for RUSSELL 7 and 8-axis MRMs pre-2023



LEARN MORE

- ✉ product.management@rmeGlobal.com
- ☎ RME Regional Service Centre
- 🌐 rmeGlobal.com

	MRM-ARG-G1	MRM-ARG-G2	MRM-ARG-G3	MRM-ARG-G4	MRM-ARG-G5
Capacity (kg)	2500	3500	4500	6000	10,000
Pins	2	2 or 4	2 or 4	2 or 4	2 or 4
RUSSELL Claw™ ready	✓	✓	✓	✓	✓
RME <i>AutoMotion</i> ™ ready			✓	✓	✓

WE ARE RME



RME was born 35+ years ago with a strong resolve to address our Customers' challenges. Since then, the RME Mill Relining System has quartered our Customers' time-to-reline and eradicated a great many safety issues. This same pursuit continues to drive the development of RME INSIDEOUT Technology which aims to eliminate fatal risk by enabling relining from outside the mill.

Cherylyn Russell

Chief Customer Officer, RUSSELL MINERAL EQUIPMENT