



After 40 years of experience with rockbreaking, Rammer is still at the cutting edge of breaker technology.

## NATIONAL

BIG data is everywhere.

It has the ability to improve the operation and monitoring of just about every bit of equipment on the mine site or in the quarry.

It is a tried and tested way to cut downtime, proactively maintain equipment to avoid expensive repairs and to improve the overall productivity of assets.

Now, data-driven remote monitoring for rockbreakers has finally been developed by Rammer, the world-leaders in rockbreaking solutions.

Rammer continues to be the leading supplier of rockbreaker technology in Australia and has just added the first ever monitoring system for hydraulic rockbreakers – RD3, the first cloud-based monitoring device for hydraulic rockbreakers.

It attaches to the rockbreaker and then reports detailed information about the operation in real-time back to the customer.

By using advanced electronics to sense the impacts and stresses on the rockbreaker, it gives detailed information about operating hours, service intervals and the GPS locations of the product.

Simply by logging into the MyFleet platform, customers can see all the data recorded by the RD3 in order to maximise uptime through planned services and preventative maintenance – improving equipment uptime, reliability and availability.

The rockbreaker work hours show MyFleet users the total time the rockbreaker has been engaged in rockbreaking, and the real-time hour meter ensures a higher re-sale value as the actual work hours are known.

Rammer factory product specialist Marko Lahtinen said that, when renting the Rammer rockbreakers, invoicing can be based on



actual rockbreaker work hours, and the integrated GPS allows for the rockbreaker owners to precisely locate each unit at any time.

"For example, this enables invoicing based on actual worked time on specific location," he said.

"In MyFleet you can see the last known location of the rockbreaker but there is also the possibility to track rockbreaker location history on the map for specific periods."

The MyFleet portal solution for Rammer's fleet management has been built as a tailored product for the Rammer Excellence line, in cooperation with Sandvik and third-party service providers.

Data is accessible 24/7 through the MyFleet

portal, which improves fleet management, helps plan preventative maintenance and makes processes more efficient.

Using cloud-based software, customers can remotely monitor rockbreaker usage and provide operator education when needed in order to avoid maintenance costs due to premature failure.

This can be especially important when considering one of the most common causes of rockbreaker failure, which happens when an operator continues to hit the trigger button, forcing it to keep the piston striking for extended periods of time.

By correcting the operator's practices through remote monitoring, operational optimisation can reduce the chance of

rockbreaker failure and unscheduled downtime.

By providing real-time data on operating hours and service intervals, the RD3 with MyFleet platform actively manages service periods and minimises downtime.

Preventative maintenance and proactive monitoring improve the bottom line.

The service indicator in MyFleet works on rockbreaker work hours reported by RD3.

Customers can see actual time till next scheduled maintenance.

MyFleet shows indicators when maintenance time is approaching, and MyFleet can send email notifications to customers, as well as to the dealer to remind them of upcoming maintenance.

This also helps the dealer to prepare for the maintenance by ordering necessary parts to have on time for the customer.

The RD3 will stay connected to fleets 24/7.

It will monitor and optimise the utilisation of the rockbreaker fleet, give precise location for every unit, optimise fleet allocation, maximise uptime through planned service and preventative maintenance, review rockbreaker service history records and improve safety and best practice.

## The Excellence line

The Rammer Excellence line is Rammer's flagship product line of rockbreakers, a set of state-of-the-art hydraulic rockbreakers with integrated smart technology for easier management and more efficient processes.

The line has continued to build on Rammer's 40-years of industry experience, delivering world-class rockbreakers designed to improve profitability, safety and performance.

Now fitted with the RD3 technology and monitored through MyFleet, Rammer rockbreakers have a number of maintenance and service features that set it apart from the rest, and will continue to assist developing businesses and enhancing the performance of their rockbreakers.

The Adjust Idle Blow Protection (IBP) feature ensures that the rockbreaker cannot be operated until pressure is placed on the tool.

This also protects the tool from failures and tie rod stress which ultimately reduces oil overheating and protects against premature failures.

The lower tool bushing is simple and easy to replace with Rammer's innovative design – it is as simple as removing the two lower pins, and can be done in the field.

This decreases maintenance costs while reducing the cost of ownership and operation.

Rammer has also added separate greasing channels from the valve body into the lower and upper tooling bushing.

This enables optimum greasing for both bushings which increases the lifetime of the tool and tool bushings.

Whether it is decreasing the cost of maintenance, ownership or increasing the service life of rockbreakers, all of Rammer's innovative maintenance and service features are designed to save customers money by improving the efficiency and quality of their products.

In Australia, customers are supported by an independent network of highly experienced Rammer dealers that provide expert advice and solutions that meet the specific needs of customers and ensure the maximum return on capital investments.



Rammer's excellence line is perfectly complemented by the RD3 monitor and MyFleet portal.



The Excellence line fitted with the RD3.

**MORE INFORMATION:** Total Rockbreaking Solutions | 1300 921 498 | [sales@trswa.com.au](mailto:sales@trswa.com.au) | [www.totalrockbreaking.com.au/](http://www.totalrockbreaking.com.au/)



## REMOTE MONITORING

Rammer is the first on the market introducing remote rockbreaker monitoring.

With the cloud-based system you will have real-time data 24/7 on

- operating hours,
- how the rockbreaker is being operated,
- the exact location of your equipment and
- service periods for proactive and preventative maintenance.

Remote monitoring system is available in all new Rammer Excellence models as standard.

[rammer.com](http://rammer.com)



Dealer Network

### NW

**Groundtec Equipment**  
(02) 9642 2030  
[groundtec.com.au](http://groundtec.com.au)

### VIC / TAS

**Walkers Hammers**  
(03) 9315 3788  
[walkershammers.com.au](http://walkershammers.com.au)

### QLD / PNG

**QLD Rock Breakers**  
(07) 3715 0800  
[rdw.com.au](http://rdw.com.au)

### SA / NT

**Renex Equipment**  
(08) 8345 0555  
[renex.com.au](http://renex.com.au)

### WA

**Total Rockbreaking Solutions**  
1300 921 498  
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