



ROCKLOGIC ONE SYSTEM. TOTAL CONTROL.

INTELLIGENT CONTROL FOR ROCKBREAKER BOOM SYSTEMS

ROCKLOGIC
ENGINEERED BY TRANSMIN



SMARTER | SAFER | SIMPLER ROCKBREAKER AUTOMATION

Developed in close collaboration with our customers, the latest version of RockLogic has been reengineered to deliver greater simplicity, flexibility, and ease of use. Enhanced fault finding, improved remote access, and smarter diagnostics are combined with a safer, more intuitive design — putting powerful control at your fingertips, whether on site or off. RockLogic is automation designed to work with you, not against you.



REMOTE OPERATIONS

Control multiple rockbreakers from one centralised remote operation



COLLISION AVOIDANCE

Eliminate site damage with collision avoidance



AUTOMATED MOVEMENTS

Improve rockbreaker efficiency with a single press of a button



MAINTENANCE PROGRAM

Dedicated Controls and Automation Service support, including remote assistance.



HOW ROCKLOGIC WORKS



SAFE, INTELLIGENT ROCKBREAKER OPERATIONS

RockLogic is Transmin's intelligent anti-collision and control solution for rockbreakers, delivering safer, smarter, and more efficient operations. High-precision inertial sensors continuously track the rockbreaker's position and display it within a detailed 3D site model, enabling automatic speed control and collision avoidance.

With accurate real-time feedback, operators can safely control the rockbreaker remotely from the control room, eliminating unnecessary site travel when crushers become blocked.

Autonomous features such as automatic park and deploy routines ensure smooth, repeatable movements, even in tight and restricted spaces.

AVAILABLE VERSIONS

RockLogic 2.0 – Complete RockLogic system with automated movements, remote operation, and advanced collision avoidance.

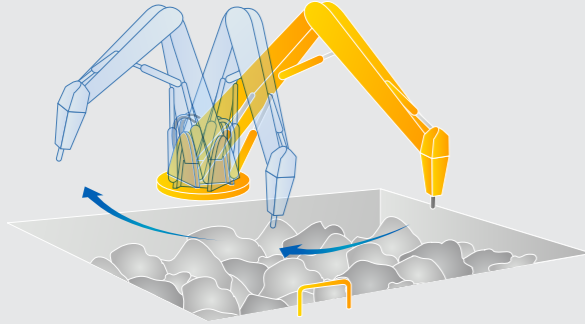
RockLogic Lite – Remote operation capability only.

SAFETY GATE RESET PANELS

Most remotely operated Rockbreaker's will use safety gates to protect personnel from Rockbreaker contact when used remotely. Our reset panels are modular, and can easily be installed. Each panel provides local input for the dual channel safety gate switch which is provided as part of the kit.



ROCKLOGIC FEATURES



AUTOMATED MOVEMENT

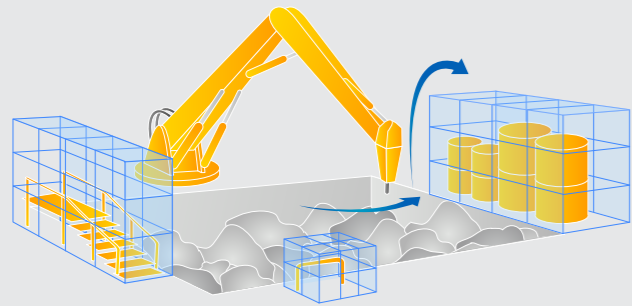
Go from park to deploy and back to park with a press of a button – minimising crushing delays.

When operating Rockbreakers remotely, parking the rockbreaker is often a tricky maneuver, with one touch park and deploy the Rockbreaker simply puts itself away after clearing blockages.

REMOTE OPERATION

Rockbreaking is hazardous and demanding work. RockLogic remote operation moves operators away from the rockbreaker to a safe, remote location, reducing exposure to hazards and eliminating unnecessary travel. A bypass mode is included to support maintenance operations.

RockLogic enables operation from on-site control rooms, remote operation centers thousands of kilometers away, or via radio controller for site use. Operators can control up to four rockbreakers from a single desk (one at a time) using the slimline controller. An optional audio kit provides headset support with full audio feedback, improving efficiency and operator awareness.



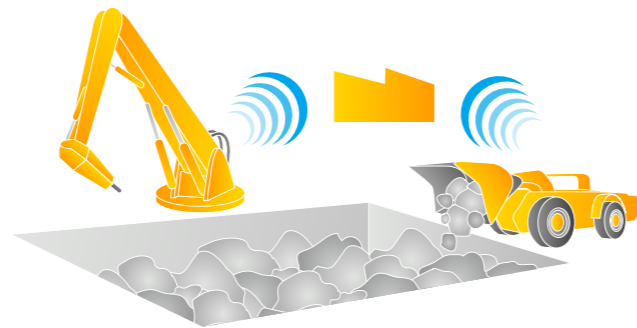
COLLISION AVOIDANCE

Prevent unnecessary downtime with customized collision avoidance that protects the rockbreaker and surrounding plant equipment. Using 3D scans or CAD data, RockLogic models your site to create a collision scene that prevents contact with critical structures such as bin walls, handrails, camera posts, and crusher components—giving remote operators greater confidence when working via cameras.

PLANT, PROCESS & SAFETY INTEGRATION

RockLogic seamlessly integrates with plant control and safety systems to maximize throughput while reducing risk. Signals from vehicles and plant equipment automatically retract the rockbreaker to support continuous crushing operations, minimizing delays and improving long-term productivity.

Integrated safety features includes machine shutdown systems, safety gates, emergency stops, and slew-limiting proxies help protect personnel and equipment. All rockbreakers come with a SIL2 capable safety system that can be tuned to site requirements.



RELIABLE SUPPORT, SMART SOLUTIONS



FAST, DIRECT SUPPORT

Reach us instantly via dedicated phone and email channels for reliable assistance when you need it most.



REMOTE PROBLEM-SOLVING

Advanced remote diagnostics help resolve issues quickly, keeping downtime to a minimum.



ON-SITE EXPERTISE

Skilled technicians ready to mobilise for installation, commissioning, and troubleshooting.

Maximise uptime and keep your operations running smoothly with our dedicated support. RockLogic's Controls & Automation Service team is committed to providing fast, reliable, and expert assistance wherever you are, ensuring your machines perform at their best.

OPERATOR TRAINING AND SUPPORT

Transmin operator training material is customised to suit your installation.

Operator training sessions include theory and practical assessment. Transmin includes the use of our own Rockbreaker to be used remotely for the practical component. Sessions can be held anywhere with a reasonable internet connection. This ensures site can continue on operating whilst the operators make use of our own Rockbreaker.



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ENGINEERED BY TRANSMIN



TM



AUSTRALIA

Local Call: 1300 127 091

International Call: +61 (0) 8 9270 8555

A: 33-37 Denninup Way Malaga, Perth, Western Australia, 6090

E: info@transmin.com.au



www.transmin.com.au