



SAFER, MORE PRODUCTIVE OPERATION

Line-of-Sight | Teleremote | Automation



REMOTE CONTROL
EXCAVATORS &
ROCK BREAKERS

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RCT has successfully placed a number of excavators/rock breakers on remote control. The ControlMaster® control options range from Line-of-Sight, Teleremote to Automation, placing operators at a safe location away from the hazardous area. ControlMaster® remote solutions allow full control of all machine functions, bucket, boom, travel motion functions and more...



EXCAVATORS AND ROCK BREAKERS ARE OFTEN REQUIRED TO OPERATE IN HAZARDOUS ENVIRONMENTS. IN ORDER TO ENSURE THE SAFETY OF OPERATORS, IT IS NECESSARY TO REMOVE THEM FROM THE HIGH RISK AREA AT THE MACHINE AND ENABLE EFFICIENT OPERATION FROM A SAFE LOCATION SOME DISTANCE AWAY.

BENEFITS

- Hazardous machine tasks can be completed from a safe location
- Maximizes equipment utilization
- Ensures greater overall operator vision for more effective operation
- Improved ergonomic working environment for the operator
- Reduced exposure to body vibration and slip injuries

REMOTE PACKAGES ARE CURRENTLY AVAILABLE FOR THE FOLLOWING EXCAVATORS:

Caterpillar

- Caterpillar 320
- Caterpillar 325
- Caterpillar 336EL
- Caterpillar 345
- Caterpillar 390D
- Caterpillar TRAC 360
- Caterpillar 6050

Komatsu

- Komatsu PC120
- Komatsu PC150
- Komatsu PC170
- Komatsu PC400
- Komatsu PC450
- Komatsu PC3000

Hitachi

- Hitachi EX400
- Hitachi EX1200
- Hitachi EX1900-6
- Hitachi EX2600

RCT's remote packages are also customisable for any make or model of excavators and rock breakers.

ACCREDITED TRAINING

RCT offers a range of accredited training courses specifically designed to provide Line-of-Sight operators with the proficiency required for safe and efficient use, ensuring the highest level of productivity is achieved from their excavator operation.

Technical and Product Support training is available to all RCT's Line-of-Sight remote control customers, this ensures all remote control components are maintained to the highest standard.

Higher level courses are offered to provide the necessary skills for maintenance staff to correctly service and perform first level repairs to the remote control equipment.

TYPES OF APPLICATION

RCT's remote package is ideal for the safe operation of excavators in the following applications:

- Recover mine wall failures
- Clean up in falling areas
- Break oversize rocks in crushers or on benches
- Clean up of bench slips in open cut mines
- Recovery of waste dumps
- Rock breakers over underground crushers
- Chipping slog of copper smelting vats
- Retrieving machines from danger zones
- Cleaning caustic tanks and drains





RCT'S REMOTE SOLUTIONS INCLUDE:

LINE-OF-SIGHT PORTABLE RADIO REMOTE



RCT's ControlMaster® ATX2200 remote transmitter is light weight, robust and ergonomic, which enables Line-of-Sight operators to work more productively for extended periods of time.

TRAILER CABIN



The ControlMaster® Remote Control Trailer Cabin (RCTC) is a custom engineered solution designed to provide remote control operators with an ergonomic, safe and productive, portable working station. The RCTC provides a semi panoramic view of the remote controlled machine, improved noise suppression and a climate controlled work environment.

The Trailer Cabin can be customized to be either a Line-of-Sight and/or Teleremote control station.

FULL TELEREMOTE CONTROL



The ControlMaster® Teleremote Solution allows the operator to control the mobile equipment from a safe location away from the hazardous area.



This improves operator safety and machine productivity by placing the operator in the optimum control location.

The communication between machine and operator is achieved by a secure radio and video antenna network.



A control solution can be custom designed to suit customers' unique requirements.

AUTOMATION



This smart technology automates operations of mobile equipment in dangerous situations. Providing consistent, reliable operations that boost productivity and safety while keeping your fleet in action longer. The equipment is automatically controlled by the system, with the help of collision avoidance technology, keeping the machine on the right path avoiding major obstacles.

Automation takes the stress out of operating machines on repetitive and unsafe tasks, resulting in safer operation, less fatigue, less machine downtime, and significant gains in productivity.



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