

Roof Bolter Remote Control

Cattron™ Application Note

COMPANY

Underground mines operating in hard rock environments.

CHALLENGE

Keeping mine operators safe is a challenging task in any underground mining environment. For safety reasons, workers are not permitted to enter a tunnel until the roof has been properly secured. The roof is secured using 1M long bolts that are inserted into the rock and tightened. The installation of the bolts at even intervals prevents rock or debris from falling onto workers causing injury or fatality. Keeping workers safe before and during the installation of the roof bolts is a critical challenge for mine operators.

SOLUTION

An underground mining wireless remote control system is used to operate the roof bolter machine. Holes are drilled and bolts are tightened from a safe distance away from the unsecured tunnel.

CATTRON PRODUCTS

Roof bolter underground mining wireless remote control system

TECHNICAL DETAILS

- The controller is specifically designed for the roof bolter application
- The controller battery can last an entire shift before needing to be charged.
- The roof bolter remote control system is configurable with frequencies and Identification codes such that many systems can operate in the same area without interference.
- The rugged construction of the machine control unit ensures reliable and continuous operations.

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