Quality System
Quality Endorsed Company
ISO9001:2000
Lic No. QEC21300

RAMBOR PTY LTD incorporating King Cobra Mining Equipment

RAMBOR PTY LTD
ABN 61 105 301 184

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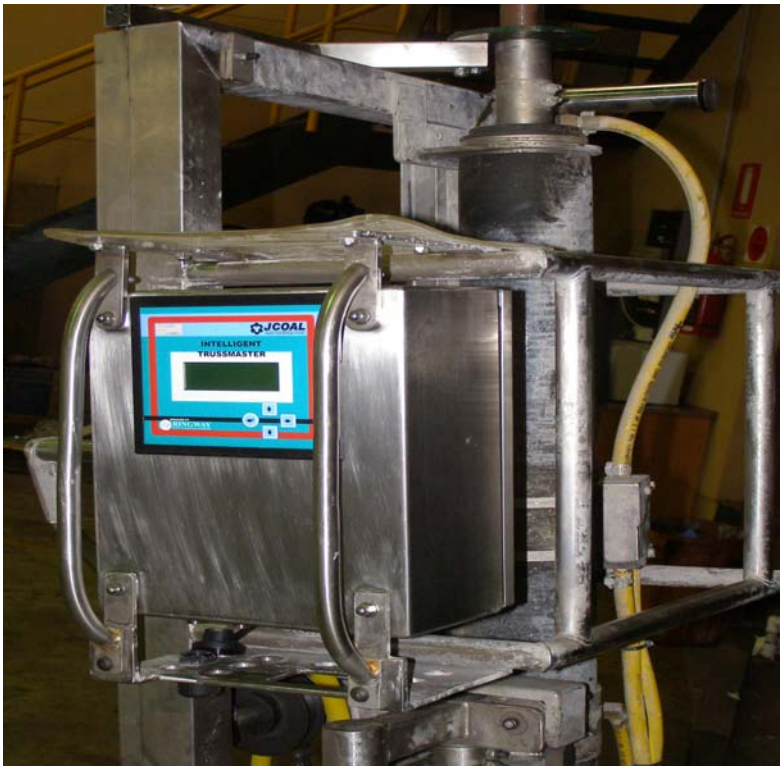
LATEST NEWS:

INTELLIGENT TRUSSMASTER MARK 2

An Intrinsically Safe version (mark 2) of the Intelligent Trussmaster was successfully tested at NRE No. 1 colliery during January 2007.

The Intelligent Trussmaster project is being carried out with JCOAL from Japan and for this Mark 2 stage, Ringway Control and Automation were involved designing the I.S. system for the unit.



What does the Intelligent Trussmaster do ?

The unit is a standard Rambor Trussmaster which has 4 electronic sensors fitted. These sensors measure drilling thrust, drilling torque, motor air pressure and distance drilled. By looking at all of these sensor variables, the people from JCOAL are able to determine and define the strata or roof conditions at the mine. This can be performed by simply drilling some 28mm or similar roof bolt holes.

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What tests were carried out at NRE ?.

NRE No. 1 colliery is located on the South Coast of NSW, Australia and is a mine that primarily supplies coal for coke production. The operation is part of the Gujarat NRE Australia Pty Ltd group of businesses.
The Trussmaster was taken under ground where approx. 80 hole were drilled primarily at diameters of 28mm and 55mm. There was also a core sample taken by the machine. The depth of holes drilled was 5m. From all of this hole data JCOAL were able to determine the structure of the roof at the mine.

What is the purpose of the Intelligent Trussmaster ?

mk 2 I.T. unit at NRE portal.JPG

The intent of the unit is that users and operators of the machine, with the appropriate JCOAL analysis software, will be able to know their mines roof conditions/geology. This will allow them to determine what roof bolt systems are required for optimum roof support. This will provide a quantitative rather than a qualitative approach to support programs and procedures/policies. Ultimately this will lead to much safer mining conditions and environment.