The Mining Equipment Prospector

TAMROCK KHZ ROCK DRILL

TAMROCK KHZ - ROCKING THE DRILLING INDUSTRY

Having dedicated a considerable amount of innovative research work into drilling technology development, Tamrock can present a new-patented innovation in the field. The revolutionary Tamrock KHZ rock drill disobeys the current laws of drilling and offers a real-life peek to the possible future of rock drilling.

The KHZ rock drill takes the industry to the new era of high performance rock drilling. The impact frequency has been raised to totally new bandwidth - to the kilohertz class. And even more importantly the frequency can be adjusted accurately and totally steplessly within a wide range. This, in turn, means that the drilling parameters can be made to fit any rock type.

In the test environment with KHZ rock drill, Tamrock has reached penetration rates exceeding five meters per minute in hard granite - with potential for more. But, in comparison with current drilling technologies, the new solution uses very low input power. High frequency leads to low impact energy and stress level in the drilling rods, which greatly expands drill steel lifetime. Furthermore, the KHZ offers much lower noise levels than the currently available rock drilling technologies.

This advanced technology has excellent potential in all rock drilling applications.

Drilling technology lies at the very heart of the Tamrock business. The company has, therefore, always put serious effort in drilling research, and it is the only supplier in the field with own drilling laboratories and test mine at the factory.

Tamrock KHZ research project has proceeded very successfully thanks to the wealth of expertise in rock drilling technology and deep understanding of the laws and phenomena of rock breaking within Sandvik Mining and Construction.

The KHZ is not commercially available yet due to the on-going research work. However, the results have been extremely promising so far and the project is going forward fast. With the introduction of the KHZ, Tamrock is once again rocking the drilling industry. Before piloting the KHZ in real mining environment with selected customers, it will go through an extensive laboratory and simulation tests in our own test mine.

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