



## Robotic rock drilling rigs

Rock bolting is a commonly used method for stabilizing the surrounding rock in coal-mine roadways. It involves installing rock bolts after ...

Its robust design offers double the lifespan compared to industry standard solutions, making it suitable for various drilling conditions. It combines durability with precise hole accuracy, ...

The development of robotic exploration rigs equipped with modules that can operate autonomously in hazardous areas has the potential ...

Epiroc's rugged face drilling rigs are built for blast hole drilling in underground mining and tunneling. Choose your model of jumbo here and read more!

Major Drilling leaders in Salt Lake City, Utah, USA, recently unveiled new drills with specialized robotics and rod handling equipment.

Abstract. Robotic drilling is likely to become a key feature of the next generations of drilling rigs and novel drilling technical solutions. We have been developing a drilling robot ...

Discover our wide range of surface drilling equipment within mining, quarrying, construction, civil engineering and the dimension stone industry.

This article aims to provide an overview of research trends and state-of-the-art technologies in face exploration and drilling operations in order ...

Epiroc's rock bolting rigs are used for rock bolting in mining and tunneling applications. Our range includes models suitable for roof heights from 1.8 to 13 meters. Features include a screen ...

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"Sandvik iE-series drill rigs use the same modular platform as our diesel-powered rotary rigs but with the added environmental benefits of electrification," said Nellaiappan Subbiah, Product ...

Exploration drilling technology is therefore considered ripe for innovation, with numerous companies - from start-ups to stalwarts - vying to bring increased automation to the ...

Some mining robots are stationary automated equipment like rock breakers, while others are mobile



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autonomous vehicles used for hauling, drilling, and ...

Epiroc is one of the leading drill rig manufacturers in the world. We offer rock drilling machines and other equipment for many different applications. For ...

Epiroc's Simba long-hole drilling rigs offer a variety of feed lengths, positioning configurations, rock drills, and optional automated features for underground ...

This paper aims to bridge this gap by chronologically exploring the industrial progress of conventional mobile robotic platforms in mining, such as drilling rig, impact ...

Robots continue to play a central role in mining, offering several benefits over traditional labor-focused operations. This article will briefly explore the use of robots and ...

Seafloor Drilling Systems Rotary Coring, Push Cores Williamson & Associates has been developing seafloor drilling and sampling systems since 1991. Our ...

Drilling used to mean noise, heat, and hours of someone manually feeding a bit into steel. In 2025, it means a robotic arm does all that -- with laser focus, ...

An Australian project showcases how two experts are working together to develop a drill rig that pushes the boundaries of autonomous mining. We've entered Nick Howlett's sandpit.

Diamec core drilling rigs For underground core drilling exploration tasks, Epiroc offers the well-established and trusted Diamec range of machines. Diamec ...

It is an innovation in automated precision drilling and an industry first in labour free sampling. This feature is enabled by the integration of the RayTrac RFID sampling system meaning sampling ...

Established in 1996 at Delhi, India, we Robot Mining Equipments (P) Ltd. are a well-known Manufacturer of Rock Drilling Tools, rods, button bits, Cutting Tools, Jackhammers and parts, ...



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