

Mining Automation Market Business Opportunities, Survey, Growth Analysis And Industry Outlook

Supportive government legislation and policies in mining activities is a major factor driving mining automation market revenue growth

VANCOUVER, BC, CANADA, August 5, 2024 /EINPresswire.com/ -- The global [mining automation market](#) size was USD 4.92 Billion in 2022 and is expected to register a revenue CAGR of 7.5% during the forecast period, according to latest analysis by Emergen

Research. Growing investments in robotic solutions to digitalize and automate mining operations is another major factor contributing to revenue growth of the market. Various safety awareness initiatives are also being taken by government authorities. For instance, on 9 September 2021, The Mine Safety and Health Administration (MSHA) put forth a proposal that can require mine

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Market Size – USD 4.92 Billion in 2022, Market Growth – at a CAGR of 7.5%, Market Trends – Increasing utilization of sensor technology in mining operations

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Emergen Research



operators with six or more miners to develop and implement a written safety program for motorized and mobile haulage equipment used in surface mines and specific areas of underground mines, excluding belt conveyors. This written program can detail the measures operators would take to assess hazards and risks, aiming to reduce incidents related to accidents, injuries, and fatalities involving surface mobile equipment. The proposal allows mine administrators flexibility to create a safety program tailored to their specific mining conditions and operations.

An Emergen Research report of 250 pages features 194

tables, 189 charts, and graphics. Our new study is ideal for anyone who wants to learn about the

global Mining Automation market commercially and deeply, as well as to analyze the market segments in depth. With the help of our recent study, you can analyze the entire regional and global market for Mining Automation. To increase market share, you must obtain financial analysis of the entire market and its segments. Our research suggests there are significant opportunities in this rapidly expanding market for energy storage technology. Look at how you might take advantage of these revenue-generating opportunities. Additionally, the research will help you develop growth strategies, strengthen competitor analysis, and improve business productivity by enabling you to make better strategic decisions.

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Some Key Highlights From the Report

The equipment automation segment is expected to register a significantly high CAGR over the forecast period. Factors such as rising demand to enhance efficiency and productivity in mining operations, along with growing concerns over labor shortages and need to ensure their safety while handling dangerous mining activities are driving revenue growth of this segment. Major companies are making substantial investments to incorporate advanced technologies such as Industrial Internet of Things (IIoT) sensors, Artificial Intelligence (AI) algorithms, and other innovations into their product lines. These efforts, along with the launch of new products, are contributing to revenue growth of this segment.

The underground mining segment accounted for largest revenue share in 2022. The complexity of tunneling systems in underground mining presents challenges for human operators in effectively controlling equipment and navigation. However, automated systems offer a precise solution for maneuvering through these intricate tunnels, leading to enhanced productivity and reduced operational errors.

The mineral mines segment is expected to account for largest revenue share along with highest revenue CAGR over the forecast period. Mineral mining operations can optimize the use of complex and heavy machinery by adopting automation, leading to improved productivity and precision. Automated systems excel at performing repetitive tasks with consistent accuracy, leading to increased efficiency and minimized downtime. Automation technologies in mineral mines come equipped with advanced safety features such as real-time monitoring, collision avoidance systems, and predictive maintenance, all of which contribute to preventing accidents and ensuring the safety of workers.

The Asia Pacific market accounted for largest revenue share and registered highest revenue CAGR in 2022. Factors such as growing need for real-time reporting and compliance tracking, a heightened focus on worker safety, the integration of advanced technologies such as drones and Unmanned Aerial Vehicles (UAVs), and utilization of advanced data analytics and visualization are driving revenue growth of the market in this region. Numerous efforts are underway to modernize mining equipment through the introduction of new products and innovations in

existing product lines is also contributing to the market revenue growth in this region.

With our new report, you are less likely to fall behind in knowledge or miss out on opportunities. See how our work could benefit your research, analyses, and decisions. Emergen Research study is for everybody needing commercial analyses for the Mining Automation Market, 2022 to 2030, market-leading companies. You will find data, trends and predictions.

Major Players/Manufacturers profiled in the report are:

Atlas Copco AB, Autonomous Solutions Inc., Caterpillar, Hexagon AB, Hitachi Construction Machinery Co., Ltd., Komatsu Mining Corp, Rio Tinto, Rockwell Automation, Inc., Sandvik AB, and AVEVA (Schneider Electric group)

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Emergen Research has segmented the global mining automation market on the basis of equipment, software, technique, and region:

Solution Outlook (Revenue, USD Billion; 2019-2032)

Software automation

Equipment automation

Autonomous trucks

Teleoperated mining equipment

Remote control equipment

Services

Implementation & maintenance

Training

Consulting

Equipment Type Outlook (Revenue, USD Billion; 2019-2032)

Automated excavators and loaders

Robotic trucks and loaders

Automated drilling systems

Automated excavators and loaders

Technique Outlook (Revenue, USD Billion; 2019-2032)

Surface mining

Underground mining

Level of Automation Outlook (Revenue, USD Billion; 2019-2032)

Assistive automation

Partial automation

Conditional automation

Complete automation

End-Use Outlook (Revenue, USD Billion; 2019-2032)

Mineral mines

Coal mines

Metal mines

Application Outlook (Revenue, USD Billion; 2019-2032)

Mine development

Mine maintenance

Mining process

Key Geographies Profiled in the Report:

North America(the U.S., Mexico, and Canada)

Asia Pacific(China, Japan, India, and Rest of Asia Pacific)

Europe(the U.K., France, Germany, and Rest of Europe)

Latin America(Brazil and Rest of Latin America)

Middle East & Africa(GCC Countries and Rest of Middle East & Africa)

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Key Benefits For Stakeholders:

The report provides an extensive analysis of the current and future trends in the global minimally invasive surgical systems market to elucidate the imminent investment pockets.

A detailed analysis of the factors that drive and restrict the growth of the minimally invasive surgical systems market is provided.

Extensive analysis of key segments demonstrates the types of energy devices, access equipment, and visualization & documentation systems used in minimally invasive surgeries.

A comprehensive analysis of the geographical landscape provides detailed information about various regions across North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

The report offers a competitive landscape of the minimally invasive surgical systems market to assist players to gain insights into the competition scenario. Key companies operating in the market are profiled to provide valuable insights.

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Eric Lee

Emergen Research

+91 90210 91709

sales@emergenresearch.com

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