

# **Mining Automation Market Size, Share & Trends Analysis Report By Solution (Software Automation, Services, Equipment Automation), By Application, By Region (North America, Europe, APAC, Latin America, MEA), And Segment Forecasts, 2022 - 2030**

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## **Abstracts**

### **Mining Automation Market Growth & Trends**

The global mining automation market size is expected to reach USD 8.6 billion by 2030, according to a new report by Grand View Research, Inc. The market is expected to expand at a CAGR of 7.3% from 2022 to 2030. The increasing demand for accuracy and productivity required during mining activities is the high impact rendering driver for the market. The growing adoption of the automated mining is attributed to the advantages associated with automated systems. For instance, in January 2022, Hexagon AB, one of the eminent players in digital reality solutions combining sensors, independent technology, and software programs, acquired Minnovare, one of the prominent players in drilling technology that enhances the cost, speed, and accuracy of drilling underground. The initiative aims to strengthen and accelerate Hexagon AB's underground roadmap and strengthen the drill and blast portfolio.

The industry witnesses the adoption of drones as a step towards the evolution of unmanned and aerial data collection technology at mining sites. The automated drone system is poised to become an essential strategic part of the future of mining. For instance, in June 2020, Caterpillar Inc., a manufacturer in the construction, mining, and transportation sector, acquired Marble robots Inc, which operates as a robotic company that includes machinery for package delivery, prescriptions, and groceries. The initiative aims to expand Robotization and autonomy strategy and demonstrates its commitment to the coming generation of Jobsite results. Structure on its leadership in independent

mining, the company plans to work and bring scalable results to meet the changing requirements of construction, chase, artificial, and waste diligence.

Additionally, the implementation of Geographic Information System (GIS) in mineral exploration activities has supplemented the market growth. GIS enables mining professionals to perform in-depth analysis and get insights on mineral mining, evaluate mining conditions, and display geochemical or hydrological data. The transition from conventional mining techniques to automation has negatively impacted the market. The incorporation of drones, autonomous machinery, and sensors has substantially affected the local employment at the mine sites. Moreover, skilled workers that specialize in handling remotely automated and controlled systems are expected to be in demand. For instance, in September 2021, ABB launched eMine, a fast and powerful truck charging that helps and diverts toward a zero-carbon mine, making an all-electric mine possible with electrification and a digital system. They also unveiled the piloting of the groundbreaking capability and gave FastCharge, one of the most crucial charging systems designed

to affiliate with all makes of electric mining.

Furthermore, the upcoming concept in mining operations is the use of central or virtual control room that monitors several mines in distant sites from a single location. The virtual control room is expected to facilitate benchmarking and comparison of identical processes at different plants. For instance, in January 2022, Accenture, a services-based company that provides a wide range of services in interactive, strategy, and consulting technology and operations, collaborated with Celonis. This data processing company sells software as a service (SaaS) to enhance business processes, and it has formed a partnership to work in process mining. They both have to create an alliance to help the organization gain some insights through which they update and optimize their business process. Accenture has set Celonis' data-driven operation and capabilities into its tools and platforms to give new situations and insights to inform decision-making.

### Mining Automation Market Report Highlights

The equipment automation solution segment is expected to witness a CAGR of over 7.5% over the forecast period. Retrofitting the mining equipment with automated technology is expected to substantially contribute to segment growth

The autonomous trucks are expected to dominate the market over the forecast

period. Increased deployment of autonomous trucks at the mining sites to increase productivity and safety of the workers is expected to keep the segment buoyant

The metal mining application segment is expected to witness a CAGR of over 6.9% over the forecast period. Increased gold exploration activities globally are expected to account for segment growth

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope and Assumptions
- 1.3 List of Data Sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Mining Automation - Industry Snapshot & Key Buying Criteria, 2021 - 2030

### CHAPTER 3 MINING AUTOMATION MARKET INDUSTRY OUTLOOK

- 3.1 Market Segmentation & Scope
- 3.2 Mining Automation - Market Size and Growth Prospects
- 3.3 Mining Automation - Value Chain Analysis
- 3.4 Mining Automation - Market dynamics
  - 3.4.1 Driver Analysis
    - 3.4.1.1 Growing concern for mine and labor safety
    - 3.4.1.2 Availability of technologically advanced equipment
  - 3.4.2 Market restraint analysis
    - 3.4.2.1 Lack of skilled workforce
- 3.5 Mining Automation-Key Opportunities Prioritized
- 3.6 Mining Automation - Key Company Analysis, 2021
- 3.7 Mining Automation - Porter's Five Forces Analysis
- 3.8 Mining Automation - PEST Analysis

### CHAPTER 4 MINING AUTOMATION SOLUTION ESTIMATES & TREND ANALYSIS

- 4.1 Market Size Estimates & Forecasts and Trend Analysis, 2017 - 2030 (USD Million)
- 4.2 Mining Automation Market: Solution Movement Analysis
  - 4.2.1 Software automation
    - 4.2.1.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)
  - 4.2.2 Services
    - 4.2.2.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)
    - 4.2.2.2 Implementation and maintenance services
      - 4.2.2.2.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 4.2.2.3 Training services

4.2.2.3.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 4.2.2.4 Consulting services

4.2.2.4.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 4.2.3 Equipment automation

4.2.3.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

## **CHAPTER 5 MINING EQUIPMENT AUTOMATION TYPE ESTIMATES & TREND ANALYSIS**

5.1 Market Size Estimates & Forecasts and Trend Analysis, 2017 - 2030 (USD Million)

5.2 Mining Automation Market: Equipment Type Movement Analysis

#### 5.2.1 Autonomous trucks

5.2.1.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 5.2.2 Remote control equipment

5.2.2.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 5.2.3 Teleoperated mining equipment

5.2.3.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

## **CHAPTER 6 MINING EQUIPMENT APPLICATION ESTIMATES & TREND ANALYSIS**

6.1 Market Size Estimates & Forecasts and Trend Analysis, 2017 - 2030 (USD Million)

6.2 Mining Automation Market: Application Movement Analysis

#### 6.2.1 Metal mining

6.2.1.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 6.2.2 Mineral mining

6.2.2.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

#### 6.2.3 Coal mining

6.2.3.1 Market estimates & forecasts by region, 2017 - 2030 (Revenue, USD Million)

## **CHAPTER 7 MINING AUTOMATION REGIONAL ESTIMATES & TREND ANALYSIS**

7.1 Market Size Estimates & Forecasts and Trend Analysis, 2017 - 2030 (USD Million)

7.2 Mining Automation Market Share by Region, 2021 & 2030

7.3 North America

7.3.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.3.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.3.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.3.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.3.5 U.S.

7.3.5.1 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.3.5.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.3.5.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.3.5.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.3.6 Canada

7.3.6.1 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.3.6.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.3.6.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.3.6.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.4 Europe

7.4.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.4.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.4.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.4.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.4.5 Germany

7.4.5.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.4.5.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.4.5.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.4.5.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

7.4.6 U.K.

7.4.6.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.4.6.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.4.6.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.4.6.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

## 7.5 Asia Pacific

7.5.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.5.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.5.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.5.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

### 7.5.5 China

7.5.5.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.5.5.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.5.5.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.5.5.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

### 7.5.6 India

7.5.6.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.5.6.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.5.6.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.5.6.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

### 7.5.7 Japan

7.5.7.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.5.7.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.5.7.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.5.7.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

### 7.5.8 Australia

7.5.8.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.5.8.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.5.8.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.5.8.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

## 7.6 Latin America

7.6.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.6.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.6.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.6.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

### 7.6.5 Brazil

7.6.5.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.6.5.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.6.5.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.6.5.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

### 7.6.6 Mexico

7.6.6.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.6.6.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.6.6.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.6.6.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

## 7.7 MEA

7.7.1 Market estimates & forecasts by solution, 2017 - 2030 (Revenue, USD Million)

7.7.2 Market estimates & forecasts by services, 2017 - 2030 (Revenue, USD Million)

7.7.3 Market estimates & forecasts by equipment, 2017 - 2030 (Revenue, USD Million)

7.7.4 Market estimates & forecasts by application, 2017 - 2030 (Revenue, USD Million)

## CHAPTER 8 COMPETITIVE LANDSCAPE

### 8.1 Atlas Copco AB

#### 8.1.1 Company overview



- 8.1.2 Financial performance
- 8.1.3 Product benchmarking
- 8.1.4 Recent developments
- 8.2 Autonomous Solutions Inc.
  - 8.2.1 Company overview
  - 8.2.2 Product benchmarking
  - 8.2.3 Recent developments
- 8.3 Caterpillar Inc.
  - 8.3.1 Company overview
  - 8.3.2 Financial performance
  - 8.3.3 Product benchmarking
  - 8.3.4 Recent developments
- 8.4 Hexagon
  - 8.4.1 Company overview
  - 8.4.2 Financial performance
  - 8.4.3 Product benchmarking
  - 8.4.4 Recent developments
- 8.5 Hitachi Construction Machinery Co, Ltd.
  - 8.5.1 Company overview
  - 8.5.2 Financial performance
  - 8.5.3 Product benchmarking
  - 8.5.4 Recent developments
- 8.6 Komatsu Ltd.
  - 8.6.1 Company overview
  - 8.6.2 Financial performance
  - 8.6.3 Product benchmarking
  - 8.6.4 Recent developments
- 8.7 Rio Tinto
  - 8.7.1 Company overview
  - 8.7.2 Financial performance
  - 8.7.3 Product benchmarking
  - 8.7.4 Recent developments
- 8.8 Rockwell Automation, Inc.
  - 8.8.1 Company overview
  - 8.8.2 Financial performance
  - 8.8.3 Product benchmarking
  - 8.8.4 Recent developments
- 8.9 Sandvik AB
  - 8.9.1 Company overview

8.9.2 Financial performance

8.9.3 Product benchmarking

8.9.4 Recent developments

8.10 Siemens

8.10.1 Company overview

8.10.2 Financial performance

8.10.3 Product benchmarking

8.10.4 Recent developments

## List Of Tables

### LIST OF TABLES

Table 1 Mining Automation - Industry snapshot & key buying criteria, 2021 - 2030

Table 2 Global mining automation market, 2017 - 2030 (USD Million)

Table 3 Global mining automation market by region, 2017 - 2030 (USD Million)

Table 4 Global mining automation market estimates and forecasts by solution, 2017 - 2030 (USD Million)

Table 5 Global mining automation market estimates and forecasts by services, 2017 - 2030 (USD Million)

Table 6 Global mining automation market estimates and forecasts by equipment, 2017 - 2030 (USD Million)

Table 7 Global mining automation market estimates and forecasts by application, 2017 - 2030 (USD Million)

Table 8 Mining automation market - Key market driver impact

Table 9 Mining automation market - Key market restraint impact

Table 10 Global mining software automation market by region, 2017 - 2030 (USD Million)

Table 11 Global mining automation services market by region, 2017 - 2030 (USD Million)

Table 12 Global implementation and maintenance services market by region, 2017 - 2030 (USD Million)

Table 13 Global training services market by region, 2017 - 2030 (USD Million)

Table 14 Global consulting services market by region, 2017 - 2030 (USD Million)

Table 15 Global mining equipment automation market by region, 2017 - 2030 (USD Million)

Table 16 Global mining autonomous trucks market by region, 2017 - 2030 (USD Million)

Table 17 Global remote control equipment market by region, 2017 - 2030 (USD Million)

Table 18 Global teleoperated mining equipment market by region, 2017 - 2030 (USD Million)

Table 19 Global mining automation market in metal mining application by region, 2017 - 2030 (USD Million)

Table 20 Global mining automation market in mineral mining application by region, 2017 - 2030 (USD Million)

Table 21 Global mining automation market in coal mining applications by region, 2017 - 2030 (USD Million)

Table 22 North America mining automation market by solution, 2017 - 2030 (USD Million)

Table 23 North America mining automation market by services, 2017 - 2030 (USD Million)

Million)

Table 24 North America mining automation market by equipment, 2017 - 2030 (USD Million)

Table 25 North America mining automation market by application, 2017 - 2030 (USD Million)

Table 26 U.S. mining automation market by solution, 2017 - 2030 (USD Million)

Table 27 U.S. mining automation market by services, 2017 - 2030 (USD Million)

Table 28 U.S. mining automation market by equipment, 2017 - 2030 (USD Million)

Table 29 U.S. mining automation market by application, 2017 - 2030 (USD Million)

Table 30 Canada mining automation market by solution, 2017 - 2030 (USD Million)

Table 31 Canada mining automation market by services, 2017 - 2030 (USD Million)

Table 32 Canada mining automation market by equipment, 2017 - 2030 (USD Million)

Table 33 Canada mining automation market by application, 2017 - 2030 (USD Million)

Table 34 Europe mining automation market by solution, 2017 - 2030 (USD Million)

Table 35 Europe mining automation market by services, 2017 - 2030 (USD Million)

Table 36 Europe mining automation market by equipment, 2017 - 2030 (USD Million)

Table 37 Europe mining automation market by application, 2017 - 2030 (USD Million)

Table 38 Germany mining automation market by solution, 2017 - 2030 (USD Million)

Table 39 Germany mining automation market by services, 2017 - 2030 (USD Million)

Table 40 Germany mining automation market by equipment, 2017 - 2030 (USD Million)

Table 41 Germany mining automation market by application, 2017 - 2030 (USD Million)

Table 42 U.K. mining automation market by solution, 2017 - 2030 (USD Million)

Table 43 U.K. mining automation market by services, 2017 - 2030 (USD Million)

Table 44 U.K. mining automation market by equipment, 2017 - 2030 (USD Million)

Table 45 U.K. mining automation market by application, 2017 - 2030 (USD Million)

Table 46 Asia Pacific mining automation market by solution, 2017 - 2030 (USD Million)

Table 47 Asia Pacific mining automation market by services, 2017 - 2030 (USD Million)

Table 48 Asia Pacific mining automation market by equipment, 2017 - 2030 (USD Million)

Table 49 Asia Pacific mining automation market by application, 2017 - 2030 (USD Million)

Table 50 China mining automation market by solution, 2017 - 2030 (USD Million)

Table 51 China mining automation market by services, 2017 - 2030 (USD Million)

Table 52 China mining automation market by equipment, 2017 - 2030 (USD Million)

Table 53 China mining automation market by application, 2017 - 2030 (USD Million)

Table 54 India mining automation market by solution, 2017 - 2030 (USD Million)

Table 55 India mining automation market by services, 2017 - 2030 (USD Million)

Table 56 India mining automation market by equipment, 2017 - 2030 (USD Million)

Table 57 India mining automation market by application, 2017 - 2030 (USD Million)

- Table 58 Japan mining automation market by solution, 2017 - 2030 (USD Million)
- Table 59 Japan mining automation market by services, 2017 - 2030 (USD Million)
- Table 60 Japan mining automation market by equipment, 2017 - 2030 (USD Million)
- Table 61 Japan mining automation market by application, 2017 - 2030 (USD Million)
- Table 62 Australia mining automation market by solution, 2017 - 2030 (USD Million)
- Table 63 Australia mining automation market by services, 2017 - 2030 (USD Million)
- Table 64 Australia mining automation market by equipment, 2017 - 2030 (USD Million)
- Table 65 Australia mining automation market by application, 2017 - 2030 (USD Million)
- Table 66 Latin America mining automation market by solution, 2017 - 2030 (USD Million)
- Table 67 Latin America mining automation market by services, 2017 - 2030 (USD Million)
- Table 68 Latin America mining automation market by equipment, 2017 - 2030 (USD Million)
- Table 69 Latin America mining automation market by application, 2017 - 2030 (USD Million)
- Table 70 Brazil mining automation market by solution, 2017 - 2030 (USD Million)
- Table 71 Brazil mining automation market by services, 2017 - 2030 (USD Million)
- Table 72 Brazil mining automation market by equipment, 2017 - 2030 (USD Million)
- Table 73 Brazil mining automation market by application, 2017 - 2030 (USD Million)
- Table 74 Mexico mining automation market by solution, 2017 - 2030 (USD Million)
- Table 75 Mexico mining automation market by services, 2017 - 2030 (USD Million)
- Table 76 Mexico mining automation market by equipment, 2017 - 2030 (USD Million)
- Table 77 Mexico mining automation market by application, 2017 - 2030 (USD Million)
- Table 78 MEA mining automation market by solution, 2017 - 2030 (USD Million)
- Table 79 MEA mining automation market by services, 2017 - 2030 (USD Million)
- Table 80 MEA mining automation market by equipment, 2017 - 2030 (USD Million)
- Table 81 MEA mining automation market by application, 2017 - 2030 (USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Industry snapshot - Mining automation market
- Fig. 2 Market segmentation & scope
- Fig. 3 Mining automation market size and growth prospects (USD Million)
- Fig. 4 Evolving mining industry
- Fig. 5 The productivity shift
- Fig. 6 Mining automation - Value chain analysis
- Fig. 7 Connectivity at mine site
- Fig. 8 Working of mining automation
- Fig. 9 Mining automation - Market dynamics
- Fig. 10 Total fatalities for M/NM and coal in the U.S.
- Fig. 11 Declining trend of mining employment in the U.S
- Fig. 12 Mining automation-Key opportunities prioritized
- Fig. 13 Mining automation - Porter's five forces analysis
- Fig. 14 Mining automation - PEST analysis
- Fig. 15 Mining automation solution outlook key takeaways
- Fig. 16 Mining automation market: Solution movement analysis
- Fig. 17 Global mining software automation market, 2017 - 2030 (USD Million)
- Fig. 18 Global mining automation services market, 2017 - 2030 (USD Million)
- Fig. 19 Global implementation and maintenance services market, 2017 - 2030 (USD Million)
- Fig. 20 Global training services market, 2017 - 2030 (USD Million)
- Fig. 21 Global consulting services market, 2017 - 2030 (USD Million)
- Fig. 22 Global mining equipment automation market, 2017 - 2030 (USD Million)
- Fig. 23 Mining equipment automation type outlook key takeaways
- Fig. 24 Mining automation market: Equipment type movement analysis
- Fig. 25 Global mining autonomous trucks market, 2017 - 2030 (USD Million)
- Fig. 26 Global remote control equipment market, 2017 - 2030 (USD Million)
- Fig. 27 Global teleoperated mining equipment market, 2017 - 2030 (USD Million)
- Fig. 28 Mining equipment application outlook key takeaways
- Fig. 29 Mining automation market: Application movement analysis
- Fig. 30 Global mining automation market in metal mining application, 2017 - 2030 (USD Million)
- Fig. 31 Global mining automation market in mineral mining application, 2017 - 2030 (USD Million)
- Fig. 32 Global mining automation market in coal mining application, 2017 - 2030 (USD Million)

Fig. 33 Regional market place: Key takeaways

Fig. 34 Regional outlook, 2021 & 2030

Fig. 35 North America mining automation market, 2017 - 2030 (USD Million)

Fig. 36 North America mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 37 North America mining automation market by services, 2017 - 2030 (USD Million)

Fig. 38 North America mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 39 North America mining automation market by application, 2017 - 2030 (USD Million)

Fig. 40 U.S. mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 41 U.S. mining automation market by services, 2017 - 2030 (USD Million)

Fig. 42 U.S. mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 43 U.S. mining automation market by application, 2017 - 2030 (USD Million)

Fig. 44 Canada mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 45 Canada mining automation market by services, 2017 - 2030 (USD Million)

Fig. 46 Canada mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 47 Canada mining automation market by application, 2017 - 2030 (USD Million)

Fig. 48 Europe mining automation market, 2017 - 2030 (USD Million)

Fig. 49 Europe mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 50 Europe mining automation market by services, 2017 - 2030 (USD Million)

Fig. 51 Europe mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 52 Europe mining automation market by application, 2017 - 2030 (USD Million)

Fig. 53 Germany mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 54 Germany mining automation market by services, 2017 - 2030 (USD Million)

Fig. 55 Germany mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 56 Germany mining automation market by application, 2017 - 2030 (USD Million)

Fig. 57 U.K. mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 58 U.K. mining automation market by services, 2017 - 2030 (USD Million)

Fig. 59 U.K. mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 60 U.K. mining automation market by application, 2017 - 2030 (USD Million)

Fig. 61 Asia Pacific mining automation market, 2017 - 2030 (USD Million)

Fig. 62 Asia Pacific mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 63 Asia Pacific mining automation market by services, 2017 - 2030 (USD Million)

Fig. 64 Asia Pacific mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 65 Asia Pacific mining automation market by application, 2017 - 2030 (USD Million)

Fig. 66 China mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 67 China mining automation market by services, 2017 - 2030 (USD Million)

Fig. 68 China mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 69 China mining automation market by application, 2017 - 2030 (USD Million)

Fig. 70 India mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 71 India mining automation market by services, 2017 - 2030 (USD Million)

Fig. 72 India mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 73 India mining automation market by application, 2017 - 2030 (USD Million)

Fig. 74 Japan mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 75 Japan mining automation market by services, 2017 - 2030 (USD Million)

Fig. 76 Japan mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 77 Japan mining automation market by application, 2017 - 2030 (USD Million)

Fig. 78 Australia mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 79 Australia mining automation market by services, 2017 - 2030 (USD Million)

Fig. 80 Australia mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 81 Australia mining automation market by application, 2017 - 2030 (USD Million)

Fig. 82 Latin America mining automation market, 2017 - 2030 (USD Million)

Fig. 83 Latin America mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 84 Latin America mining automation market by services, 2017 - 2030 (USD Million)

Fig. 85 Latin America mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 86 Latin America mining automation market by application, 2017 - 2030 (USD Million)

Fig. 87 Brazil mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 88 Brazil mining automation market by services, 2017 - 2030 (USD Million)

Fig. 89 Brazil mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 90 Brazil mining automation market by application, 2017 - 2030 (USD Million)

Fig. 91 Mexico mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 92 Mexico mining automation market by services, 2017 - 2030 (USD Million)

Fig. 93 Mexico mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 94 Mexico mining automation market by application, 2017 - 2030 (USD Million)

Fig. 95 MEA mining automation market by solution, 2017 - 2030 (USD Million)

Fig. 96 MEA mining automation market by services, 2017 - 2030 (USD Million)

Fig. 97 MEA mining automation market by equipment, 2017 - 2030 (USD Million)

Fig. 98 MEA mining automation market by application, 2017 - 2030 (USD Million)



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