

Global Space Mining Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our latest research, the global Space Mining market size will reach USD 7434.7 million in 2030, growing at a CAGR of 21.4% over the analysis period.

Space mining, or asteroid mining, refers to the mining of asteroids and other minor planets for their valuable raw materials.

There are millions of asteroids in the solar system – remnants of bodies colliding in space. Most of the asteroids are distributed between the orbits of Mars and Jupiter—the main asteroid belt—but not all of them. According to Advantage Environment, approximately 13,000 asteroids are categorized as near-Earth objects, well within reasonable reach, and at least 900 more are discovered every year.

Asteroid mining is a concept that involves the extraction of useful materials from asteroids and near-earth objects, which are useful for propulsion, construction, life support, agriculture, metallurgy, and precious and strategic metals. Volatiles such as hydrogen and methane could be used to produce rocket fuel for transporting spacecraft between the Earth and near-earth objects. Rare-earth metals, such as thulium, scandium, and holmium could be used to manufacture materials as well as solar panels which could be used to power habitats in space. These solar-powered cells could also be used to provide electricity for its inhabitants with satellites specifically designed for this purpose. Iron, nickel and cobalt would serve as fundamental raw materials for building space factories. Precious metals such as platinum, platinum-group metals (PGMs), and gold are also useful. A handful of companies, emerging and existing, will require materials with a high level of purity in large quantities, all of which are readily available in asteroids. There are conjectures that the asteroid mining industry is a whopping trillion-dollar industry.

The market value of asteroid mining refers to the development of technologies and spacecraft design, for example, that will ultimately enable space missions for the purpose of gathering raw materials.

The Space Mining market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

In terms of region, the largest segment of Global Space Mining Market would be North America, with a market share of over 53% in 2019. Following North America, Europe accounted for nearly 31% of global market.

For applications of Global Space Mining Market, Fuel is the largest segment with a market share of nearly 60% in 2019. Construction and 3D Printer accounted for about 22% and 14% of global market, respectively.

Market segmentation

Space Mining market is split by Type and by Application. For the period 2024-2030, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type, covers

C-Type Carbonaceous Asteroids

S-Type Silicaceous Asteroids

M-Type Metallic Asteroids

Market segment by Application, can be divided into

Fuel

Construction

3D Printer

Market segment by players, this report covers

ConsenSys (Planetary Resources)

Bradford Space (Deep Space Industries)

Moon Express

Ispace

Asteroid Mining Corporation

Trans Astronautica Corporation

OffWorld

SpaceFab

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific (China, Japan, South Korea, Rest of Asia-Pacific)

South America

Middle East & Africa

The content of the study subjects, includes a total of 8 chapters:

Chapter 1, to describe Space Mining product scope, market overview, market opportunities, market driving force and market risks.

Chapter 2, to profile the top players of Space Mining, with recent developments and future plans

Chapter 3, the Space Mining competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4, to break the market size data at the region level, with key companies in the key region and Space Mining market forecast, by regions, with revenue, from 2024 to 2030.

Chapter 5 and 6, to segment the market size by Type and application, with revenue and growth rate by Type, application, from 2024 to 2030.

Chapter 7 and 8, to describe Space Mining research findings and conclusion, appendix and data source.

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