

Global Space Mining Market Size Study, by Technique (Asteroid Mining, Lunar Mining, Planetary Mining), by Resource Extraction (Liquid Extraction, Precious Metals Extraction, Rare Earth Elements Extraction, Other Resources), by Infrastructure (Drilling Rigs and Excavators, Payload Handling Systems, Autonomous Mining Vehicles, Ore Processing Plants, Orbital Storage Depots, Interplanetary Transport Vessels) and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G5F7DCF76247EN.html

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G5F7DCF76247EN

Abstracts

Global Space Mining Market is valued at approximately USD 1.67 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 19.13% over the forecast period 2024-2032. Technological advancements in space exploration are a primary driver for the global space mining market. Over the past decade, significant progress has been made in spacecraft design, propulsion systems, and robotic technologies, making it feasible to undertake missions to asteroids and other celestial bodies for resource extraction. Companies like SpaceX and Blue Origin are developing reusable rockets, significantly reducing the cost of space missions. Additionally, advancements in robotic technology, such as those developed by NASA and the European Space Agency, enable precise and autonomous operations in the harsh environment of space, performing detailed surveys of potential mining sites, extracting resources, and processing materials on-site. As these technologies continue to evolve, they will lower the barriers to entry for space mining, making it more economically viable and driving market growth.

The global space mining market is experiencing robust growth, propelled by several key



factors. The strategic and economic potential of space mining has led several governments to implement policies encouraging private sector investment and innovation. The United States passed the Commercial Space Launch Competitiveness Act in 2015, granting private companies the rights to resources they extract from space. Similarly, Luxembourg has established itself as a hub for space mining activities, providing financial incentives and a favourable regulatory environment to attract space mining companies. These policy initiatives create a conducive environment for the development of space mining technologies and operations, driving market growth. Furthermore, international cooperation through agreements such as the Artemis Accords supports the expansion of the space mining industry by providing a framework for resource extraction and utilisation.

The key regions considered for the Global Space Mining Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. In 2023, North America is the largest regional market in the marketplace, propelled by the presence of key players and significant investments in space exploration technologies. The market in Asia Pacific, on the other hand, is expected to grow at the fastest rate over the forecast period due to increasing investments in space technology and exploration initiatives by countries like China and India.

Major market players included in this report are:

SpaceX

Blue Origin

Planetary Resources, Inc.

Moon Express

iSpace

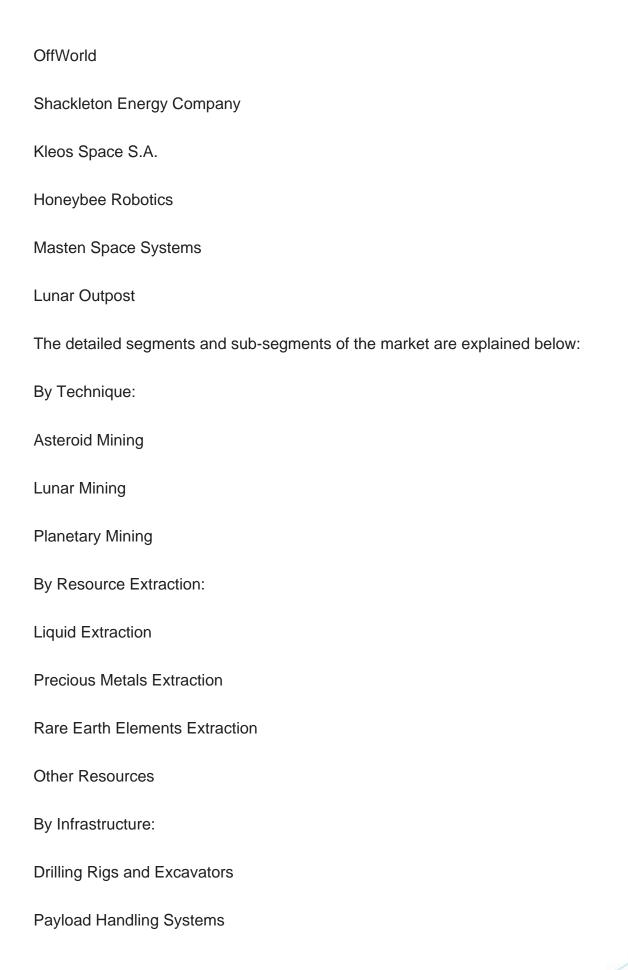
TransAstra Corporation

Deep Space Industries

Asteroid Mining Corporation

Bradford Space





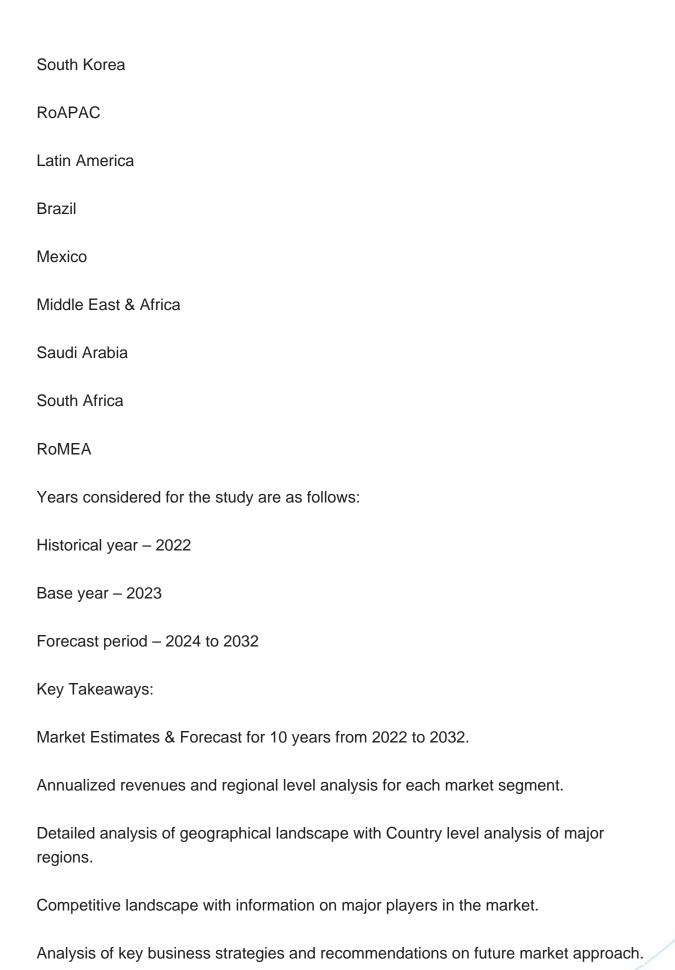


Australia

Autonomous Mining Vehicles		
Ore Processing Plants		
Orbital Storage Depots		
Interplanetary Transport Vessels		
By Region:		
North America		
U.S.		
Canada		
Europe		
UK		
Germany		
France		
Spain		
Italy		
ROE		
Asia Pacific		
China		
India		
Japan		

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Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.



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