

Global Garnet Market Outlook 2027

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Abstracts

Garnet is brittle and more or less transparent. It is usually a red silicate mineral with a victorious luster; it occurs mainly in crystal forms and massive forms or grains commonly found in gneiss and mica schists as a semi-precious stone and an abrasive stone. According to BlueQuark Research & Consulting, the global Garnet market is expected to witness a significant growth rate during the forecasted period. Factors like increasing the use of Garnet in various Industrial applications such as waterjet cutting, abrasive blasting, water filtration, and abrasive powder due to properties like hardness and high specific gravity are expected to drive the Global Garnet Market. Further, the use of Garnet in Jewelry, as it is a beautiful gem that is sold without any kind of treatment and durable and low cost, is projected to drive the Global Garnet Market. Furthermore, the Garnet is used in the Ship & Aircraft building; it is used to finish the outer skins of ships & aircraft before painting because it is chemical and abrasive resistant and is expected to drive the Global Garnet Market. However, the availability of various abrasives such as magnetite and ilmenite that are natural and can be used across various end-user industries, thus the wide availability of such minerals that are the best alternative to Garnet, is expected to hinder the future market growth of Garnet.

The use of Garnet in industrial applications such as Waterjet cutting, abrasive blasting, water filtration and is used as a gemstone in jewelry, ship & aircraft building, sandblasting, glass polishing, industrial flooring, stone washing as well as used as a geological indicator mineral.

Industrial Garnet is the most primary and vital consumer of Garnets and is estimated to drive the global demand for Garnets. The use of Garnet in water jet cutting, as it is one of the latest cutting technologies used by steel companies and employed in cutting the metals precisely and accurately due to the properties such as no-heat generation and faster productivity, drive the demand for Garnet Market. Due to the hardness property of Garnet, it is used in abrasive blasting to smooth, clean, or remove oxidation products

from metals, brick, stone, and other materials. According to U.S. Geological Survey, in 2020, the estimated domestic production of crude garnet concentrates increased by 6% compared with production in 2019. The United States consumed about 210,000 metric tons of garnet in 2020. Further, Garnet grains can be used as a filtration media in water treatment facilities. It is chemically inert and non-metallic, which makes it a good option for use as a filtration media, projected to drive the demand for Garnets in the segment. Furthermore, Garnet is used in solvent extraction & electrowinning; it is a hydrometallurgical process primarily used to produce copper ore because garnet provides excellent support for high-density media is projected to drive the demand for the Garnet market. Thus all the above factors have made the Industrial Sector a vital segment of growth for the Global market of Garnet.

The Asia Pacific region is on its way to becoming the global leader in the production and consumption of Garnet, with most of the consumption in populated countries like China and India. The growth in industrialization in the region has prompted the subsequent increase in the use of Garnet in various industrial applications, and silica is being replaced by Garnet for the blast cleaning and driving the global Garnet market. Increasing demand for jewelry and gemstone products in various luxury goods segments in the region is witnessing strong growth rates in the Global Garnet Market. Due to the abundant availability of Garnet in the region, in ship & aircraft building Garnet are used to refit and repair coatings, rust, or tight adherent mill scales, driving the demand for Global Garnet Industry. In Glass Polishing, Garnets are used as abrasives for glass to produce very smooth surfaces, thus driving the Global Garnet Industry in the region. Thus, factors like these have made the Asia Pacific region a vital area for the development of Garnet.

Some of the market's key players are GMA Garnet Pty Ltd, Barton International, V.V. Mineral, Industrial Mineral Company, Indian Rare Earths Limited, Sibelco, among others.

In April 2021, ASX- listed Mineral commodities have executed several agreements with offtake partners, GMA Group, to lock in future sales of garnet concentrate from Tormin mineral sands operations on South Africa's Western Cape.

In August 2021, The Australian Garnet Mine at Lucky Bay is expected to begin a new mineral sands mine South of Kalbarri in the Midwest; at peak, it will process up to 7.5 million tonnes of garnet-rich sand.

Global Garnet Market report provides deep insight into the Industrial market's current

and future state across various regions. The study comprehensively analyses the Garnet market by segmenting based on the By Type (Pyrope, Almandine, Spessartine, Grossular, Andradite, Uvarovite), By Application (Water Jet Cutting, Abrasive blasting, Water filtration, Solvent Extraction & Electrowinning, Gemstone, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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- These companies is not exhaustive

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