

# **Global Oxygen-Free Copper Market Size Study, by Grade (Cu-OF, Cu-OFE), by Product Form (Wires, Strips, Busbar & Rods), by End-Use Industry (Electronics & Electrical, Automotive), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Oxygen-Free Copper Market is valued at approximately USD 29.29 billion in 2023 and is poised to expand with a robust growth rate of 5.50% during the forecast period 2024-2032. Oxygen-free copper (OFC), with its high conductivity and exceptional purity, plays a pivotal role in industries requiring reliable electrical and thermal performance. This specialized material is particularly sought after in applications where oxygen contamination can compromise functionality, such as high-end audio systems, automotive components, and precision electronic equipment.

The market is increasingly embracing the rising demand for energy-efficient solutions, coupled with the surging adoption of electric vehicles (EVs) and renewable energy technologies. The superior properties of oxygen-free copper, including its enhanced thermal resistance and superior ductility, are enabling the development of next-generation devices and systems, ensuring their reliability and efficiency. With rapid technological advancements and growing R&D investments, the industry is witnessing innovative product development and strategic partnerships to cater to evolving consumer and industrial demands.

Growing urbanization, coupled with the expansion of the automotive and electronics industries, is fueling the demand for oxygen-free copper products. Furthermore, as governments and corporations prioritize sustainable energy solutions, the material's role in solar panels, wind turbines, and EV charging infrastructure is becoming increasingly prominent. However, challenges such as high production costs and limited availability of

raw materials are expected to moderate the growth trajectory to some extent.

The global market is geographically segmented into key regions, with Asia Pacific emerging as a dominant player. The region's leadership is attributed to its extensive manufacturing base, technological advancements, and substantial investments in electronics and automotive sectors. North America and Europe are also witnessing steady growth, driven by the adoption of renewable energy projects and the push for electrification in the transportation sector. Latin America and the Middle East & Africa regions, while relatively nascent, present untapped opportunities with ongoing infrastructural developments and increasing industrialization.

Major market players contributing to the dynamic landscape of the oxygen-free copper market include:

3D Systems Corporation

Advanced Solutions, Inc.

Cyfuse Biomedical K.K

Shining 3D

Organovo Holdings, Inc.

Medprin Biotech GmbH

REGEMAT 3D S.L

Desktop Metal, Inc.

CollPlant Biotechnologies Ltd

The Bio Convergence Company

Vesuvius Group

Furukawa Electric Co., Ltd.

KME Germany GmbH & Co. KG

Aurubis AG

Mitsubishi Materials Corporation

The detailed segments and sub-segment of the market are explained below:

By Grade:

Cu-OF

Cu-OFE

By Product Form:

Wires

Strips

Busbar & Rods

By End-Use Industry:

Electronics & Electrical

Automotive

By Region:

North America

U.S.

Canada

## Europe

UK

Germany

France

Spain

Italy

Rest of Europe

## Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

## Latin America

Brazil

Mexico

## Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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