

# **Copper Pipes and Tubes Market Report by Finish Type (LWC Grooved, Straight Length, Pan Cake, LWC Plain), Outer Diameter (3/8, 1/2, 5/8 Inch, 3/4, 7/8, 1 Inch, Above 1 Inch), End-User (HVAC, Industrial Heat Exchanger, Plumbing, Electrical, and Others), and Region 2024-2032**

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## **Abstracts**

The global copper pipes and tubes market size reached 4.9 Million Tons in 2023. Looking forward, IMARC Group expects the market to reach 6.4 Million Tons by 2032, exhibiting a growth rate (CAGR) of 3.12% during 2024-2032. The growing installation of heating, ventilation, and air conditioning (HVAC) systems, rising construction of residential, industrial, and commercial infrastructure, and increasing popularity of waste heat recovery systems represent some of the key factors driving the market.

### **Rising Adoption of Cupro-nickel Tubes Supporting Market Growth**

Cupro-nickel tubes are manufactured from the amalgamation of copper and nickel and offer enhanced malleability. In addition, the rising global seaborne trade, coupled with a positive outlook towards the shipping industry, is catalyzing the demand for cupro-nickel pipes and tubes around the world. Cupro-nickel pipes and tubes are widely employed for brake tubing purposes, which is further impelling the growth of the market. They are also utilized in marine applications, as they offer improved resistance to macro fouling rates and seawater corrosion.

Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies

have been provided. The structure of the global copper pipes and tubes market is fragmented in nature, with a large number of players operating. The volume of new players is moderate due to the requirement of large capital investments. Furthermore, the product differentiation and switching costs are low in the copper pipes and tubes market.

### What are Copper Pipes and Tubes?

Copper pipes and tubes are specialized products made from copper that are extremely durable in nature. They are commercially available in a wide variety of diameters and wall thicknesses. They are non-permeable to air and gas and offer reduced chances of leakage and contamination caused by oxygen, ultraviolet (UV) rays, and temperature from the external environment. They possess a high yield, tensile, and fatigue strength with antibacterial properties, which play a crucial role in the transportation of medical gases and water distribution systems. They are widely utilized in underground water and gas services, chilled water mains, drainage and vent systems, solar heating systems, fuel-oil systems, non-flammable medical gas systems, and industrial heat exchanger systems. Furthermore, as copper pipes and tubes offer high thermal conductivity, dimensional stability, and corrosion resistance, their demand is rising around the world.

### COVID-19 Impact:

The outbreak of COVID-19 negatively impacted the growth of the copper pipes and tubes market as lockdowns were imposed around the world, causing production to slow down in the initial days. Few operating plants were burdened with supply disruptions due to the unavailability of raw materials, labor shortage, and low stocks. The demand for copper pipes and tubes from the construction, automotive, and electrical industries slowed down during the initial days of the pandemic, which increased the unsold inventory levels and caused massive losses. The pandemic also threatened logistics and transportation activities due to the imposition of road restrictions and social distancing. After the upliftment of lockdowns and road restrictions, several organizations began focusing on improving their operational capacity to increase domestic production and meet the rising demand from the industries.

### Copper Pipes and Tubes Market Trends:

At present, the increasing demand for copper pipes and tubes, as they offer long-term reliability and various cost-benefits, represents one of the primary factors impelling the

growth of the market. In addition, the rising construction of residential, industrial, and commercial infrastructures around the world is propelling the growth of the market. Besides this, the growing installation of heating, ventilation, and air conditioning (HVAC) systems in various buildings to maintain good indoor air quality (IAQ) through adequate ventilation and filtration is offering a favorable market outlook. Additionally, the increasing demand for copper pipes and tubes, as they are easy to handle and offer malleability, recyclability, and non-pyrogenic properties, is contributing to the growth of the market. Apart from this, the rising utilization of solar energy due to the growing environmental awareness among the masses is positively influencing the market. Moreover, the increasing popularity of waste heat recovery systems that recover thermal energy from exhaust gas and convert it into electrical energy is bolstering the growth of the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global copper pipes and tubes market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on finish type, outer diameter and end-user.

#### Finish Type Insights:

- LWC Grooved
- Straight Length
- Pan Cake
- LWC Plain

The report has provided a detailed breakup and analysis of the copper pipes and tubes market based on the finish type. This includes LWC grooved, straight length, pancake, and LWC plain. According to the report, LWC grooved represented the largest segment as it is extensively utilized by manufacturers of refrigeration and conditioning systems. Besides this, the rising availability of advanced variants of LWC copper tubes is propelling the growth of the respective segment.

#### Outer Diameter Insights:

- 3/8, 1/2, 5/8 Inch
- 3/4, 7/8, 1 Inch
- Above 1 Inch

A detailed breakup and analysis of the copper pipes and tubes market based on the outer diameter has also been provided in the report. This includes 3/8, 1/2, 5/8 inch, 3/4, 7/8, 1 inch, and above 1 inch. According to the report, 3/8, 1/2, 5/8 inch accounted for the largest market share as it is widely integrated into heating, ventilation, and air conditioning (HVAC) systems and industrial heat-exchange equipment. In addition, the rising demand for 3/8, 1/2, 5/8 inch copper tubes and pipes for plumbing purposes is bolstering the growth of the respective segment.

#### End-User Insights:

HVAC

Industrial Heat Exchanger

Plumbing

Electrical

Others

A detailed breakup and analysis of the copper pipes and tubes market based on the end-user has also been provided in the report. This includes HVAC, industrial heat exchanger, plumbing, electrical, and others. According to the report, HVAC accounted for the largest market share on account of the increasing installation of HVAC systems in various residential and commercial buildings. Besides this, rising demand for HVAC systems as they improve indoor air quality and filter allergens are supporting the growth of the market.

#### Regional Insights:

Asia Pacific

Europe

North America

Middle East and Africa

Latin America

The report has also provided a comprehensive analysis of all the major regional markets, which include Asia Pacific, Europe, North America, the Middle East and Africa and Latin America. According to the report, Asia Pacific was the largest market for copper pipes and tubes. Some of the factors driving the Asia Pacific copper pipes and tubes market included the growing popularity of electric vehicles (EVs), rising construction of commercial and industrial infrastructure, increasing installation of charging stations in various public places, etc.

### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global copper pipes and tubes market. Some of the companies covered in the report include:

Furukawa Electric Co., Ltd  
KME Germany GmbH  
Kobe Steel, Ltd.  
Luvata (Mitsubishi Materials Corporation)  
MetTube Sdn Bhd  
Mueller Industries Inc.  
KMCT Corporation  
Cerro Flow Products LLC  
Golden Dragon Precise Copper Tube Group Inc.  
Mehta Tubes Limited  
Qingdao Hongtai Metal Co.,Ltd.  
Shanghai Hailiang Copper Tubes Co., Ltd.

Please note that this only represents a partial list of companies, and the complete list has been provided in the report.

### Key Questions Answered in This Report

1. What was the size of the global copper pipes and tubes market in 2023?
2. What is the expected growth rate of the global copper pipes and tubes market during 2024-2032?
3. What are the key factors driving the global copper pipes and tubes market?
4. What has been the impact of COVID-19 on the global copper pipes and tubes market?
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