

# Global Open Tunnel Boring Machine Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Open Tunnel Boring Machine market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

The Open Tunnel Boring Machine is a type of tunneling equipment used to excavate tunnels in soft ground or loose soils. Unlike other tunnel boring machines that operate within a closed cutterhead, the Open TBM has an open-faced cutterhead that allows for continuous excavation and removal of the soil. As the machine moves forward, it uses cutting tools to break the soil, and then the excavated material is transported through a conveyor belt or auger system to the surface. This method is suitable for tunnels with minimal groundwater or stable soil conditions. Open TBMs are commonly used in utility installations, sewer construction, and small-scale tunneling projects.

The market prospects for Open Tunnel Boring Machines are promising, primarily driven by the increasing demand for efficient and cost-effective tunnel excavation in soft ground conditions. These machines offer advantages such as continuous excavation, quick removal of excavated soil, and suitability for stable soil conditions with minimal groundwater. The growing demand for utility installations, sewer construction, and small-scale tunneling projects further fuels the market for Open TBMs. Additionally, ongoing urbanization projects and infrastructure development in emerging economies present significant growth opportunities. As governments and construction companies seek faster and safer tunneling solutions, the demand for Open TBMs is expected to rise, contributing to their positive market prospects.

The Global Info Research report includes an overview of the development of the Open

Tunnel Boring Machine industry chain, the market status of Highway (Hazardous Rock Open Tunnel Boring Machine, Firm Rock Open Tunnel Boring Machine), Railway (Hazardous Rock Open Tunnel Boring Machine, Firm Rock Open Tunnel Boring Machine), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Open Tunnel Boring Machine.

Regionally, the report analyzes the Open Tunnel Boring Machine markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Open Tunnel Boring Machine market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Open Tunnel Boring Machine market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Open Tunnel Boring Machine industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Hazardous Rock Open Tunnel Boring Machine, Firm Rock Open Tunnel Boring Machine).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Open Tunnel Boring Machine market.

**Regional Analysis:** The report involves examining the Open Tunnel Boring Machine market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Open Tunnel Boring Machine market. This may include

estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Open Tunnel Boring Machine:

**Company Analysis:** Report covers individual Open Tunnel Boring Machine manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Open Tunnel Boring Machine. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Highway, Railway).

**Technology Analysis:** Report covers specific technologies relevant to Open Tunnel Boring Machine. It assesses the current state, advancements, and potential future developments in Open Tunnel Boring Machine areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Open Tunnel Boring Machine market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Open Tunnel Boring Machine market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Hazardous Rock Open Tunnel Boring Machine

Firm Rock Open Tunnel Boring Machine

## Market segment by Application

Highway

Railway

Subway

Others

## Major players covered

China Railway Group

China Railway Construction Corporation

Northern Heavy Industries

Liaoning Conscience Industrial

Herrenknecht

Robbins

Terratec

Kawasaki Heavy Industries

## Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Open Tunnel Boring Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Open Tunnel Boring Machine, with price, sales, revenue and global market share of Open Tunnel Boring Machine from 2018 to 2023.

Chapter 3, the Open Tunnel Boring Machine competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Open Tunnel Boring Machine breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Open Tunnel Boring Machine market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Open Tunnel Boring Machine.

Chapter 14 and 15, to describe Open Tunnel Boring Machine sales channel, distributors, customers, research findings and conclusion.

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