

# **Tunnel Boring Machine Market by Machine Type (Slurry TBM, Earth Pressure Balance Shield TBM, Shielded TBM, Multi-Mode TBM, and Others), Geology Type (Soft Ground, Hard Rock Ground, Heterogenous Ground, and Variable Ground), and End-Users (Road Transport, Railway Transport, Metro & Transit, Utilities, Mining, Oil & Gas, and Others): Global Opportunity Analysis and Industry Forecast, 2018 - 2025**

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## **Abstracts**

The global tunnel boring machines market size is expected to reach \$8,385.6 million by 2025, from \$5,189.8 million in 2017, growing at a CAGR of 6.4% from 2018 to 2025. Tunnel boring machines are used for tunnel excavation through a wide range of soil and rocks. It is majorly used for construction of tunnels and excavation in coal mines.

The key factor that drives the growth of the global tunnel boring machines market includes increase in infrastructure development for railway and highway. Moreover, rise in demand for utility tunneling for water supply & disposal, hydropower projects, and pipeline for oil & gas boosts the demand for tunnel boring machines. In addition, tunnel boring machine reduces the operational time for construction of tunnel as compared to other conventional methods, thereby increasing the demand for tunnel boring machines. However, the new Austrian tunneling method (NATM) is still a dominant method for constructing tunnels, which is expected to hinder the market growth. Furthermore, new innovations such as automation and ZigBee-based wireless sensor networks are anticipated to provide lucrative growth opportunities for the growth of the global tunnel boring machines market.

The tunnel boring machine market is segmented based on machine type, geology type, end-users, and region. Based on machine type, the market is categorized into slurry TBM, earth pressure balance shield TBM, shielded TBM, multi-mode TBM, and others. Others includes open type, gripper TBM, direct pipe, partial face excavation, etc. By geology type, the market is segmented into soft ground, hard rock ground, heterogenous ground, and variable ground. By end-users, the market is segmented into road transport, railway transport, metro & transit, utilities, mining, oil & gas, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific (APAC), and LAMEA. Asia-Pacific is anticipated to be the largest market for tunnel boring machine during the forecast period.

## Key Market Segments

### BY MACHINE TYPE

Slurry TBM

Earth Pressure Balance Shield TBM

Shielded TBM

Multi-Mode TBM

Other Machines (Open Type, Gripper TBM, Direct Pipe, Partial Face Excavation, etc.)

### BY GEOLOGY TYPE

Soft Ground

Hard Rock Ground

Heterogenous Ground

Variable Ground

## BY END-USERS

Road Transport

Railway Transport

Metro & Transit

Utilities

Mining

Oil & Gas

Others

## BY REGION

North America

U.S.

Mexico

Canada

Europe

Russia

Germany

UK

Netherlands

France

Italy

Rest of Europe

Asia-Pacific

China

Hong Kong

Indonesia

Japan

Australia

India

Rest of Asia Pacific

LAMEA

Latin America

Middle East

Africa

## KEY MARKET PLAYERS PROFILED IN THE REPORT

China Railway Construction Heavy Industry Co. Ltd.

China Railway Engineering Equipment Group Co., Ltd.

Dalian Huarui Heavy Industry Group Co., Ltd.

Herrenknecht AG

Hitachi Zosen Corporation

IHI Corporation

Kawasaki Heavy Industries Ltd

Komatsu Ltd.

Northern Heavy Industries Group Co., Ltd. (The Robbins Company, Inc.)

Qinhuangdao Tianye Tolian Heavy Industry Co., Ltd.

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