

Tunnel Boring Machine

Tunnel boring machine designed for excavating tunnels through various soil and rock strata. It features a rotating cutterhead with multiple cutting tools for efficient material removal and is equipped with a shield to provide ground support.



Overview

High-Performance Tunnel Boring Machine

This advanced Tunnel Boring Machine (TBM) is engineered for high-efficiency excavation across diverse soil and rock strata. It integrates a robust rotating cutterhead with precision cutting tools to ensure effective material removal in demanding underground environments. Designed for safety and stability, the integrated shield provides essential ground support, while automated systems manage muck removal and segment erection for seamless construction operations.

Technical Capabilities

Core Features

- Rotating cutterhead with multi-tool configuration
- Shielded ground support system
- Advanced muck removal system
- Automated segment erection mechanism
- Integrated tunnel alignment control

Applications

Subway Construction, Water Conveyance, Mining Operations