

Tunnel Excavation Machine

This tunnel boring machine excavates tunnels through rock and soil. It facilitates tunnel lining and guided measurement correction during the boring process.



ADDITIONAL IMAGES



Overview

Advanced Tunnel Excavation Technology

This tunnel boring machine is engineered for high-efficiency excavation across diverse soil and rock strata. Designed to facilitate the construction of tunnels for subway systems, railway lines, and critical underground infrastructure, it offers a robust alternative to traditional drilling and blasting methods. The unit features advanced control systems and integrated segment erection technology to ensure consistent performance and structural stability.

Technical Capabilities

Key Performance Metrics

17.6 meters

Maximum Tunnel Diameter

1 meters

Minimum Tunnel Diameter

Geological Adaptability

Hard Rock, Sand, Soil Strata

Operational Features

Primary System Components

- Rotating cutter head
- Advanced control systems
- Hydraulic power units
- Segment erection systems
- Muck removal system
- Ground support shielding

Target Applications

Subway Systems • Railway Lines • Sewers • Roadways