

# 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