

Trench Cutter for Foundation Work

This trench cutter is a specialized machine for creating deep, narrow trenches in soil and rock. It is engineered for precision in foundation work and diaphragm wall construction, featuring a cutting mechanism and slurry system.



Overview

High-Precision Trench Cutter

This advanced trench cutter is engineered for demanding foundation work and diaphragm wall construction in diverse soil and rock conditions. It combines a robust telescopic crawler undercarriage with a high-torque cutting system to ensure stability, efficiency, and precise excavation. Equipped with intelligent monitoring and control systems, it offers real-time data tracking and ergonomic operation to maximize productivity on complex geotechnical projects.

Performance & Power

Key Performance Metrics

1 Optimized Fuel Consumption Efficiency	1 High Working Efficiency
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Engine Type	Eco-friendly, electronically-controlled, turbocharged diesel engine
Cutter Wheel Torque	High output torque for various soil and hard rock layers

Technical Features

Undercarriage	Telescopic crawler design for high strength, stability, and easy transportation
Winch Configuration	Front/Rear Single Rope, Dual Winches, Electro-hydraulically Proportional Control

Control & Monitoring

Control Technologies

- Full power control
- Electric override control
- Load sensing control
- Electro-hydraulically proportional control

Monitoring & Safety Systems

- Engine monitoring
- Working condition monitoring
- Hose synchronizing system
- Breakdown inspection and alarm system

Operational Precision

Precision Equipment

Advanced Inclinometer • Longitudinal Adjustment • Lateral Adjustment • Real-time Wall Curve Drawing

Maintenance & Comfort

Operator Station

- Ergonomic design
- Full-adjustable seat
- Air-conditioning
- Large color touch display

Maintenance

Standard centralized lubrication system for easier maintenance