

# Trench Cutter for Rock Drilling

This trench cutter is a construction machine designed for rock drilling and piling applications. Its advanced cutting mechanism ensures efficient excavation in challenging soil and rock conditions.



APPLIED FOUNDATION

## Overview

### High-Performance Trench Cutting Solution

This trench cutter is engineered for demanding stratum grooving construction, specifically excelling in hard rock and rock-socketed environments. It integrates advanced technologies such as real-time verticality monitoring and intelligent deviation rectification to ensure precise groove formation. With dual-functionality that allows for quick switching between milling and grabbing, this machine offers high efficiency and versatility for complex underground diaphragm wall projects.

## Operational Capabilities

### Machine Functionality

- One machine dual-use (Milling groove and Grab groove)
- Quick switching between milling and hydraulic grab functions
- Double winding machine system
- Double lifting point frame support

### Construction Versatility

Hard Stratum, Rock-socketed Grooving, Underground Diaphragm Walls, Sleeve Milling

## Technical Features

### Slag Removal System

- Gas lift and discharge mechanism
- Air compressor powered
- Telescopic slag discharge tube
- Large diameter discharge capacity
- High passing ability for large particle size slag

### Precision & Monitoring

- Real-time verticality measurement system
- Intelligent rectifying system for deviation adjustment