

# Trench Cutter for Construction

This trench cutter is a specialized construction machine for creating trenches. It is engineered for efficient trench excavation in foundation work and underground utility installation.



## Overview

### High-Performance Trench Cutter

This specialized trench cutter is engineered for precision and efficiency in demanding civil engineering and foundation projects. Featuring a robust, extra-wide chassis and advanced 3D-designed platform, it offers superior stability and reliability. The integration of intelligent control systems and efficient slagging modes ensures optimal performance while reducing operational costs.

## Mechanical Design

Chassis Stability	Extra-wide chassis with large swiveling bearing for enhanced stability
Slewing Mechanism	Imported elements with large slewing support for improved grab reliability

## Control Systems

Winch Synchronization	Dual winches with encoder-based control for accurate synchronization
Hydraulic Control System	Electro-hydraulically proportional follow-up control for slurry and hydraulic hose drums

## Performance

Slagging Mode	Air lift reverse circulation for reduced fuel consumption and lower costs
Gearbox	Imported double-speed gearbox

## Maintenance

Maintenance Design	Self-developed milling wheel-drive, Easy spare parts access, Low maintenance cost, Short maintenance time
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## Application

### Primary Applications

- Foundation work
- Underground utility installation
- Civil engineering projects
- Trench excavation in various soil and rock conditions