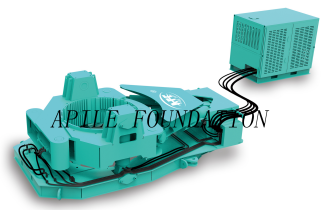
Hydraulic Casing Oscillator for Foundation Installation

This hydraulic casing oscillator is designed for installing large diameter casings in various soil conditions. The oscillator utilizes a hydraulic system to generate oscillating torque, enabling casing penetration with minimal disturbance.



Overview

Professional Hydraulic Casing Oscillator

This hydraulic casing oscillator is a high-performance solution designed for complex foundation installation projects, including deep foundation pits and urban subway construction. Featuring a trivalve clamp design for automated centering and high clamping force, the unit ensures structural stability during operation. The system supports both manual and remote control modes, providing flexibility for operators in diverse field conditions.

Technical Features

Clamping Mechanism	Trivalve clamp with automated centering and high holding force
Operation Modes	Manual, Remote Control
Power System	Configurable motor and diesel pump station system

Applications

Primary Use Cases

- Urban subway foundation
- Deep foundation pit retaining
- Urban renovation pile extraction
- Railway, port, and road bridge construction
- Hydropower and water conservancy projects

Suitable Strata

- Pebble and silt
- Quicksand
- Karst cave development
- Backfill
- Swamp and riverbed soil