

Offshore Hydraulic Pile Hammer

This hydraulic hammer is designed for driving piles in offshore construction projects. It features program control and sensor technology to monitor pressure, temperature and location.



Overview

Designed for Extreme Offshore Environments

The Offshore Hydraulic Pile Hammer is a highly reliable solution engineered for marine foundation construction. It features a fully closed, pressure-filled housing designed specifically for submarine operation, ensuring consistent performance for deep-water tasks. With integrated sensor technology and precise energy control, this system provides accurate pile driving for offshore wind, oil, and gas infrastructure projects.

Technical Features

Key Features

- Pressure-filled fully closed housing for deep-water operation
- Automatic internal pressure control system
- Pile cap water level monitoring for non-touching underwater strikes
- Automatic lubrication system for long shaft ram
- Programmable striking energy within nominal range

Performance & Control

Monitoring Sensors

Pressure Monitoring, Temperature Monitoring, Location Tracking, Remote Management

Applications

Common Applications

- Offshore oil and gas platforms
- Large-scale bridge foundations
- Submarine pipe installation
- Offshore wind power infrastructure
- Deep water structural foundations

Operational Durability

Engineering & Reliability

Anti-corrosion • Anti-seepage • Leakage-proof pipeline • Forged & Heat-treated components