

# 45kW Diamond Wire Saw Stone Cutting Machine

This diamond wire saw machine utilizes a diamond wire for cutting stone, concrete, and metal with speed and efficiency. It features a permanent magnet synchronous driver, text display, communication transmission, dual PLCs control, a dual operating system, and a double-supported rotary reducer.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Diamond Wire Saw Machine

This 45kW diamond wire saw machine is engineered for high-speed cutting in stone quarrying, concrete, and metal applications. It features a permanent magnet synchronous driver and dual PLC control systems to ensure continuous production and high torque performance. With its exclusive double-supported rotary reducer and automated cutting functions, it provides a reliable and efficient solution for demanding industrial cutting tasks.

## Technical Performance

### Main Motor Power

**45 kW**

Rated Power

### Control Architecture

- Dual PLCs control combination
- Text display interface
- Communication transmission
- Dual operating system for redundancy

### Drive System

Permanent Magnet Synchronous Driver

## Key Features

### Mechanical Advantages

- Slewing Reducer with Double Support to prevent power head movement
- Integral Sealed Bearing with over 2 years working life
- Integral Lifting Lug for safe hoisting
- Thicker Steel Plate construction for durability

## Operational Functions

### Automation & Safety

- Automatic cutting mode for higher efficiency
- Inching function for easy wire saw joint location
- Automatic stop upon cutting completion
- Manual control override

## Applications

### Suitable Materials

Stone Quarrying, Concrete Cutting, Metal Cutting, Large Stone Blocks

## Compliance

### Certifications

ISO • CE