

Hydropower Turbine Components for Renewable Energy Generation

These turbine components are essential for hydroelectric power generation. They convert the kinetic energy of water into rotational mechanical energy, which is then converted into electricity by a generator.



Overview

Comprehensive Hydropower Solutions

This collection of hydropower turbine components offers a complete set of equipment designed for efficient hydroelectric power generation. The system integrates advanced excitation and control technologies, including SCR magnetic devices and brushless excitation systems, to ensure reliable energy conversion. These components are engineered to harness kinetic energy from water resources across various head and flow conditions.

Core Components

Excitation Systems

- SCR magnetic devices
- DC excitation system
- AC exciter
- Brushless excitation system

Control & Automation

- Hydraulic equipment
- Control equipment
- Automatic control systems

Technical Features

Application Suitability

Renewable Energy, Hydroelectric Power, Low-head Applications, High-head Applications