

Industrial Rubber Internal Mixer

This industrial rubber internal mixer is designed for efficient mixing of rubber compounds. It features a robust construction, high-torque motor, and a sophisticated control system for thorough and homogenous mixing.



Overview

Industrial Rubber Internal Mixer

This industrial rubber internal mixer is engineered for efficient, high-volume production of rubber compounds. It features a robust, heavy-duty frame and a sophisticated control system designed for optimal processing conditions. The integrated mixing chamber and rotor design ensure thorough, homogeneous mixing, making it suitable for demanding applications like tire manufacturing and rubber product fabrication.

Construction & Design

Rotor System

- Bored and welded Banbury-style integrated construction
- Internal water or steam cooling/heating cavity
- Sintered carbide reinforced wings for durability

Mixing Chamber Construction

Jacketed forging for efficient cooling/heating, reinforced with sintered carbide welding for abrasion and corrosion resistance.

Performance & Operation

Discharge Door System

- Double-rack tilting cylinder drive
- Crank retaining mechanism
- Drillhole cooled design
- Sintered carbide reinforced working surface

Sealing Mechanism

Externally pressurized hydraulic sealing for end faces with adjustable pressure settings.

Control System

System Capabilities

- User-defined control parameter settings
- Step-by-step operation prompts
- Real-time mixing process visualization
- Fault detection and alarm diagnostics

Control Technology

PLC Control, Intelligent Display Terminal, Dynamic Parameter Monitoring, Alarm System