Moving Die Rheometer for Rubber Testing

The moving die rheometer is a widely used tester in the rubber processing industry for rubber quality control and basic research. It accurately measures scorch time, rheometer time, sulfide index, and maximum and minimum torque.

Overview

Professional Moving Die Rheometer

The RT-101 is a high-precision, rotorless moving die rheometer designed for the comprehensive characterization of rubber vulcanization processes. Utilizing a fully enclosed mold cavity and advanced PID-controlled heating, it provides exceptional repeatability and accuracy, yielding data comparable to top international laboratory standards. With automated testing sequences and robust analytical software, it is an essential tool for quality control and R&D in the rubber manufacturing industry.

Key Features

Certifications	CE, GB/T16584, ISO 6502, ASTM D5289-95

Technical Performance

Key Performance Metrics

200 C	1.67 Hz	0.001 NM
Max Temperature	Swing Frequency	Torque Resolution

Temperature Control

- Range: Room temperature to 200°C
- Heating rate: 15°C/min
- Fluctuation: d ±0.3°C
- Resolution: 0.1°C

Operational Requirements

Utilities & Environment

Requirement	Value
Power Supply	220V±10% / 50Hz
Compressed Air	0.35-0.40 MPa
Operating Temp	10°C to 20°C
Humidity	55-75% RH