

Summary:

Moving Die Rheometer is a widely used tester in rubber processing industry, rubber quality control and basic research rubber, For optimize formula of rubber provide accurate data, It can accurately measure the scorch time, rheometer time, sulfide index, the maximum and minimum torque and other parameters.

Applicable Industrial:

Moving Die Rheometer For Rubber Compound Testing With Adjustable Oscillation Amplitude applied to rubber, tires, reclaimed rubber factory.

Features:

Optimum Test Data: The comparison test can be done on the same interface for any secondary vulcanization test. The multiple vulcanization curves drawn can be compared to find out the best experimental data

Mature Technology: The instrument development platform based on large databases, temperature control devices using the software to directly control and collection and processing. Instrument to overcome the general curing temperature of the shortcomings of using temperature controller (accuracy poor).

Scientific Design: This instrument has statistics, analysis, storage and comparison functions. Humanized design, easy to operate .

High Accuracy: Using imported high-precision sensors

Main Functions:

Moving Die Rheometer used monolithic rotor control, which include: host, temperature measurement, temperature control, data acquisition and processing, sensors and electrical chains and other components. These measurements, temperature control circuit consists of a temperature control device, platinum resistance, heater composition, capable of automatic tracking power and ambient temperature changes, automatically correct PID parameters to achieve fast and accurate temperature control purposes. Data acquisition system and mechanical linkage to complete the rubber vulcanization process of force torch signal automatic detection, automatic real-time display of temperature and settings. After curing, automatic processing, automatic calculation, print vulcanization curve and process parameters. Show curing time, curing power J_u , also has a variety of audible alert.

Moving Die Rheometer is controlled by computer, the computer setting the parameters of the direct

control of test parameters rheometer. Display real-vulcanization curve and temperature curve, store test results, different adjustable comparison of test results and in a different color.

Standards:

ISO 6502 / GB/T16584: Rubber—Measurement of Vulcanization Characteristics with Rotorless Cure Meters

ASTMD5289-95 : Standard Test Method for Rubber Property—Vulcanization Using Rotorless Cure Meters

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Specifications:

Item	<i>Moving Die Rheometer for rubber processing industry</i>
Standard	GB/T16584 ISO6502
Temperature	room temperature to 230 Centigrade
Heating-up	15 Centigrade/min
Temperature fluctuation	$\leq \pm 0.3$ Centigrade
Temperature resolution	0.01 Centigrade
Torque range	0-5N.M,0-10N.M,0-20N.M
Torque resolution	0.001NM
Power	50HZ, 220V $\pm 10\%$
Pressure	0.4Mpa
Air-pressure requirement	0.5Mpa--0.65MPa (user prepare the dia 8 trachea)
Environment temperature	10 Centigrade--20 Centigrade
Humidity range	55--75%R.H
Compressed air	0.35-0.40Mpa
Oscillation frequency	100r/min (about 1.67HZ)
Oscillation angle	± 0.5 Degree
Printing	date, time, temperature,vulcanization curve,temperature curve, ML,MH,ts1,ts2,t10 ,t50, Vc1, Vc2.