

## Rubber Mooney Viscometer MV-800



### Equipment summary:

MV- 800 Mooney Viscometer viscosity for rubber vulcanization index determination. Sample in a certain temperature and pressure, the rotor to a certain degree of rotation torque on the sample to a certain degree of shear stress, measure out the rubber anti-shear torque. Is reclaimed rubber, rubber, wire and cable industry indispensable instrument.

### Meet the standards:

Line GB/T1232 "unvulcanized rubber Mooney Viscosity", GB / T 1233 "Rubber, Determination of characteristics of the initial curing Mooney Viscometer" and ISO289, ISO667 ,ASTM D1646 and other standards.

### Applicable industry:

Applied to rubber, tires, reclaimed rubber factory.

## Technical parameter:

|                                    |                                                                           |
|------------------------------------|---------------------------------------------------------------------------|
| Model                              | MV-800                                                                    |
| Mooney                             | M                                                                         |
| Control temperature range          | Normal temperature to 200℃                                                |
| Temperature display resolution     | 0.01℃                                                                     |
| Temperature control accuracy       | ±0.3℃                                                                     |
| Temperature rising time            | <8 min                                                                    |
| Clamping temperature recovery time | < 1 min                                                                   |
| Environmental range                | 10~35℃, humidity<80%                                                      |
| Calibration accuracy               | Mooney value ±0.5                                                         |
| Acquisition rate                   | 200 SPS                                                                   |
| Rotor speed                        | 2 rotation/ min ±0.02rotation/ min                                        |
| Torque range                       | Mooney value 0~200                                                        |
| Torque resolution                  | Mooney value 0.1 (1/50000)                                                |
| Print content                      | Date, time, temperature, Mooney scorch curve and MV,T5,T35,T3,T18,@15,@30 |
| Power                              | AC220V±10% 50HZ                                                           |
| Software interface                 | USB2.0                                                                    |



Operating Panel Interface



**Software Interface**

## 1) Menu bar

Include files (new, save, open, and reports), control (switch motor, retractable weights), tools (options, database fields), about five menu.

## 2) Data column

Display the current actual data (Mooney Time, Upper / LowerTemp).

## 3)Curve

Read curve and test curve of the real-time display

## 4)Action Bar

Shortcuts keys, set warm-up time, test time, test temperature, rotor size (need to click on the "Settings" to save the application); confirmation box: automatically run automatically after the completion of the mold, the temperature curve (the mouse to click on the words in the set effect).

## 5)Result column

Display test results

The lowest part of the left display connectivity (connectivity for the blue font ConnectOK ").



## Mooney experimental report

### How to start a test?

#### ① Set temperature

Action bar input set temperature, and heating time, the "Set" set point of the rotor size, etc.

|                     |     |
|---------------------|-----|
| PreHeatingTime(min) | 1   |
| HeatingTime(min)    | 4   |
| HeatingTemp(°C)     | 100 |
| Rotator             | Big |
| Set                 |     |

#### ② Start temperature control

"Heat" button click on the shortcut bar



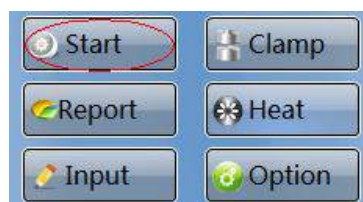
#### ③ When the temperature reaches the specified temperature, mold opening

#### ④ Add to rubber ⑤ Spotting

#### ⑥ The shortcuts bar "Auto Run" is checked, the software detected clamping signal will automatically start test;

otherwise clamping should also manually click on the "Start", the trial will begin.

|                                                        |
|--------------------------------------------------------|
| <input checked="" type="checkbox"/> Auto Run           |
| <input checked="" type="checkbox"/> Auto Open Clamp    |
| <input checked="" type="checkbox"/> Display Temp Curve |





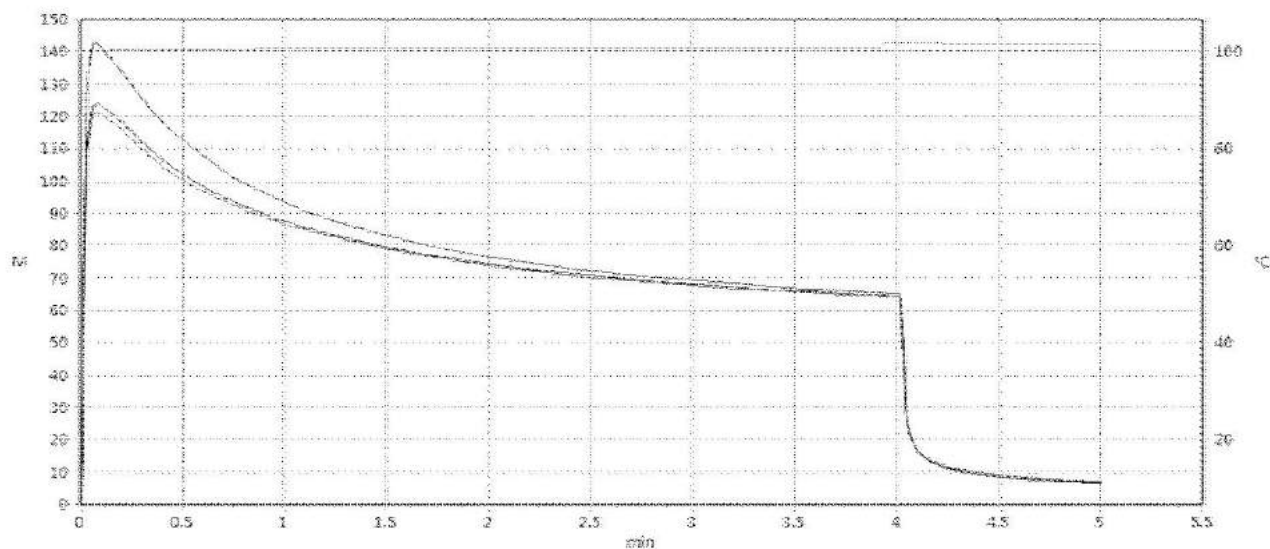
## Scorch test report:

EBPu Electromechanical Equipment (Zhejiang) Co., Ltd.

### MV-800

|              |                    |              |   |
|--------------|--------------------|--------------|---|
| TestType     | Viscosity          | TestNum      | 1 |
| MaterialName | B                  | RubberNumber | B |
| TestDate     | 2013-7-27 17:23:21 | Company      |   |

| NO  | TestType  | Mmax<br>(M) | Mmin<br>(M) | M(1+4)<br>(M) | TestTemp<br>(°C) | PreHeatin<br>gTime<br>(min) | HeatingTi<br>me<br>(min) | Rotor | Operator |
|-----|-----------|-------------|-------------|---------------|------------------|-----------------------------|--------------------------|-------|----------|
| 1   | Viscosity | 142.8       | 6.5         | 65.1          | 100              | 1                           | 4                        | Big   |          |
| 2   | Viscosity | 124.0       | 6.7         | 64.3          | 100              | 1                           | 4                        | Big   |          |
| 3   | Viscosity | 121.3       | 7.0         | 64.5          | 100              | 1                           | 4                        | Big   |          |
| Max |           | 142.8       | 7.0         | 65.1          | 100.0            | 1.0                         | 4.0                      |       |          |
| Min |           | 121.3       | 6.5         | 64.3          | 100.0            | 1.0                         | 4.0                      |       |          |
| Avg |           | 129.4       | 6.7         | 64.6          | 100.0            | 1.0                         | 4.0                      |       |          |

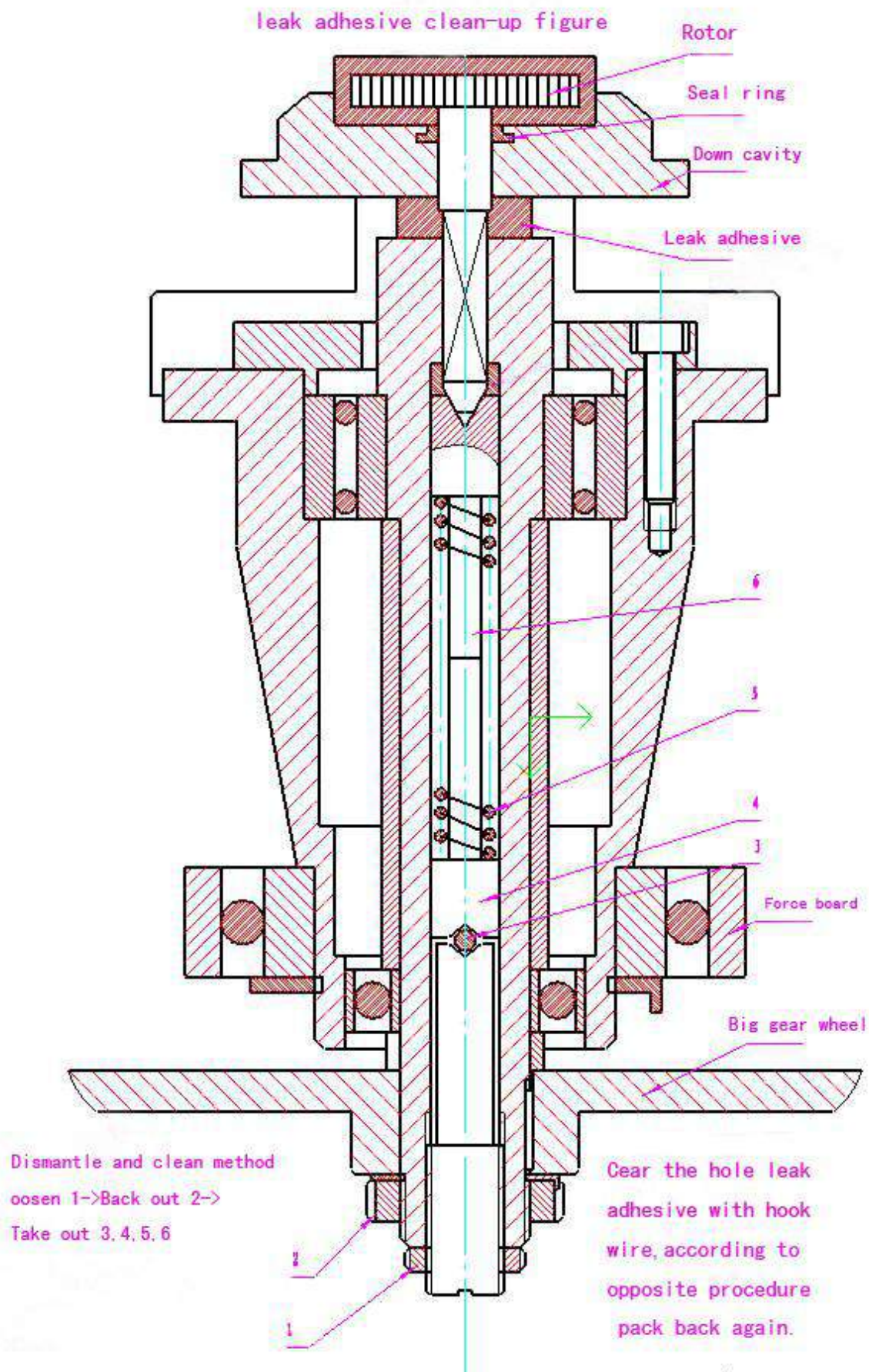


Operator

Audit

2013-7-28 8:44:43

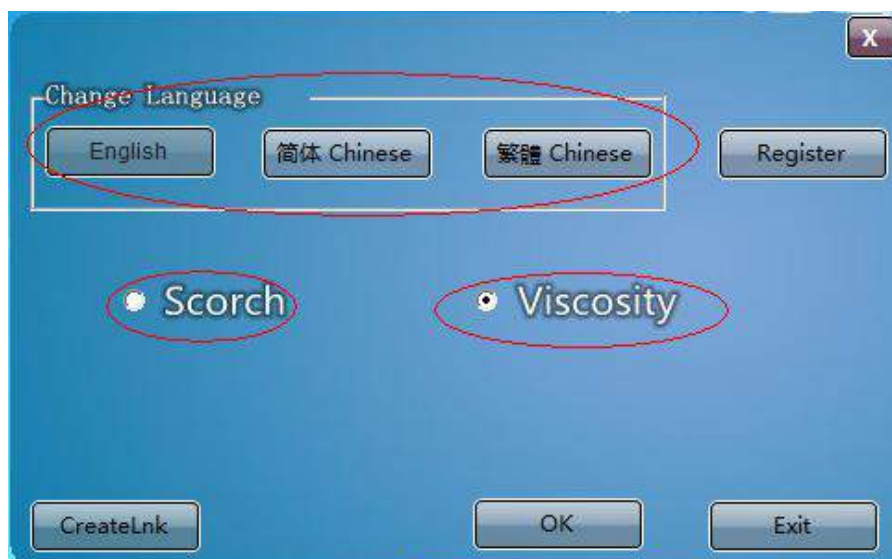
## leak adhesive clean-up figure:





# EBP GROUP INC

Provide solutions for material preparation, testing and analysis



language / test type selection interface

Product physical photos:

