



东莞中力仪器科技有限公司

Dongguan Zhongli Instrument Technology Co., Ltd

Tel: +86-769-33657986

Fax: +86-769-33657987

Website: www.zltester.com

E-mail: Zhongli@zltester.com

Add: No.62, Xinhe Management of Area, Wanjiang District, Dongguan, Guangdong, China

Introduction

Name : ZL-3022C 150Ton Laboratory Plastic Silicone Vulcanizing Machine



→Direct Manufacturer.

→ Excellent Quality.

→Technical Innovation.



→ **Fast Shipping.**

→ **Superior Service.**

Product Description:

The vulcanizer is a kind of advanced rubber product hot press molding equipment, suitable for the production of complex shapes, difficult to vent and other difficult to mold rubber products and the use of rubber products that are prone to bubble formation.

It has the characteristics of timing mold locking, automatic pressure compensation, automatic temperature control, automatic timing, the surface temperature of the hot plate is uniform, the temperature control is accurate and intuitive, the pressure holding is stable and reliable, and the operation is safe and convenient.

Technical Parameters:

1. Capacity	150T (Can be customized)
2. Temperature range	normal temperature~300°C
3. Temperature controller	microcomputer high-precision LED display, key setting input, numerical display
4. Timer	LED display, time range 0.1S~99min~9.9hr
5. Temperature control method	P.I.D method microcomputer control performance is stable, and temperature control is accurate.
6. Heater	built-in cylindrical heating mold, scientifically coordinated holes, fast temperature generation, long life, easy maintenance
7. Heating time	about 15min at room temperature~170°C
8. Hot pressing plate	450×450mm high temperature resistant steel plate, the surface is carbonized and quenched, the heat conduction is fast, the pressure is parallel and unchanged
9. Cooling temperature range	normal temperature~350°C
10. Oil pressure system	hydraulic flow closed loop control system, with automatic pressure compensation function. The time of the first pressurization and the second pressurization and the third pressurization can be preset, the load is strong, and the lifting is stable; automatic pressurization, pressure maintenance, Relieve pressure.
11. Oil cylinder stroke	Max 200mm
12. Oil cylinder speed	8mm/s

Structure And Principle



The main engine is composed of four parts: the machine body, the oil pump, the control valve, and the electrical control.

1. The fuselage parts are composed of upper frame, lower frame, fuel tank, heating plate, oil cylinder, plunger, etc. The four uprights bear 25T tension and double as guide rails for heating plate lifting.
2. Oil pump components: use the hydraulic oil pump imported from Taiwan to supply oil to the oil cylinder through the one-way valve control valve.
3. The control valve component is composed of an automatic drain valve installed on the hydraulic station and a shock-resistant electric contact pressure gauge, which controls the rise and fall of the hot plate and other actions.

Hydraulic system and principle:

After pressing the start button, the motor drives the oil pump to rotate (the direction of rotation of the pump should be consistent with the direction of the arrow), the oil filter→gear pump→overflow valve→check valve→cylinder works, and the hydraulic oil passes through the column oil filter→gear pump →Remote pressure regulating valve→One-way valve→The cylinder plug rises rapidly and the flow is reduced. The pressure of the low pressure relief valve and the remote pressure relief valve overflow system is displayed by the black needle of the electric contact pressure gauge, and the red needle of the electric contact pressure gauge is adjusted to The holding pressure is 16Mpa, and the other green needle is adjusted to 16Mpa. When the black needle and the red needle on the watch coincide, the pressure gauge sends a signal to stop the motor, which is the holding pressure. (Note: The vulcanization time and the number of venting times need to be pre-adjusted to 1-999). When the holding pressure time is up, the mold will be automatically lowered, and the hot plate will drop quickly, and the mold will be opened. A working procedure is thus completed. As the pressure drop may occur during mold clamping and vulcanization, the black needle retreats to coincide with the green needle (no pressure is maintained). At this time, the motor restarts to make the black needle coincide with the red needle again, that is, automatic pressure compensation and automatic compensation. Pressure does not affect the curing time.

Machine certificate:



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Related Machine:





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Zhongli Introduction:

Zhongli Instrument Located in Dongguan, Guangdong, China. It is a collection development, research, production and sales of integrated lab testing machine.

Zhongli attaches great importance on the construction of independent R&D ability and technical force, and has already built up a professional work team possessing independent R&D ability in order to design and produce better products to meet customers' requirements. Our machines adopt advanced technology and have good quality with high detecting sensitivity, strong anti-interference ability, stable performance etc. Customization is available in Zhongli, and our engineers can design drawings for customers to meet special requirements, also we can design and install machines according to different production lines.

We adhere to the conception of "Customer First", regard meeting customers' requirements as a primary goal and contribute to providing perfect products and satisfying services to our customers.

Thank you!