



**Lyxian**



**DONGGUAN LIXIAN INSTRUMENT SCIENTIFIC CO.,LTD**

# Product Introduction

## HZ-2018 Ozone-resistance Testing Machine

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**Steel stainless #304 appearance**



**Painting Appearance**

## Equipment Summary

Ozone is a major factor in rubber cracking although it is rare in the atmosphere, ozone aging tank simulates and enhance the condition of ozone in the atmosphere to study the effects of ozone on rubber, and then identify and evaluate the method to resist ozone and aging for rubber, adopt effective anti-aging measures to enhance the life of rubber products.

## Main Function

This machine is used to test the ozone environment, the characteristics of crack-resistant rubber, ozone resistance testing machine, can control and adjust the concentration of ozone environment, to determine the anti-ozone properties of the specimen.

## Main Feature

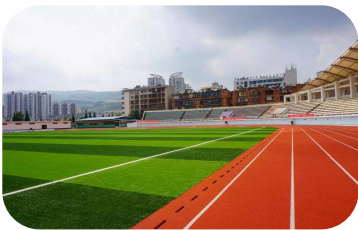
Equipment by the occurrence of silent and efficient ozone generator ozone gas, and a certain amount of air processed, the switch in the mixture into the chamber, the continuous line UV detector to detect the concentration of ozone, ozone generator control feedback to the systems to control system settings according to the occurrence of effective control of ozone to the ozone chamber to maintain the appropriate concentration of work by heating humidification systems to meet all the test conditions.

## Corresponding Standard

JIS K 6259 ASTM1149 ASTM1171 ISO1431 DIN53509 GB7762 GB/T13642

## Applicable Industries

It is widely used to control products quality in measuring quality control; Rubber & Plastics; automobile production; wire and cable; packing materials; instruments and meters; medical equipment; civilian nuclear energy; civil aviation; colleges and universities; research laboratories; inspection arbitration, and technical supervision departments and other rubber products.



Rubber and Rubber Running Track



Wire and Cable



Package



Auto Spare Parts



Academy of Science



University and Quality

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**Technical Parameter**

Model	HZ-2018
Ozone concentration	5~300pphm,adjustable 100~1000pphm,adjustable (two range choose one)
Relative humidity	Standard models do not contain humidity, if you want to increase, need to discuss. Such as: 60%RH above
Temperature	RT+10~+70℃
Ozone produced mode	Ozone generator or UV absorption method
Inside air velocity	over 2 feet/sec
Degree of ozone concentration fluctuation	10%
Turn move type	360 degree rotating sample holder (speed:1 rpm)
Inside size	500×600×500mm(W*H*D)
Air flow	A.0-6 cfm; B. 10-20 cfh
Weight	250kg
Power	1 φ ,AC220V,15A
Accessories	tensile fixture 6 groups
<b>9. Test method</b>	
1 ) Dynamic Strain Test6pcs.	- Tension Frequency 1-30 - Stroke 0-80 mm. - Rotating speed 6 rpm
2 ) Static Strain Test 6pcs.	- 6pcs of testing specimen

