

# YLSN Series Tire High Speed /Endurance Testing Machine

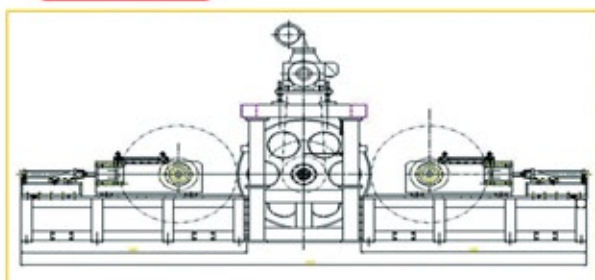


**BRIEF INTRODUCTION**

Tire High Speed / Endurance Testing Machine uses rotary drums as simulation road surfaces and under the test conditions and environment, fixes an inflated tyre which has placed over 3 hours on a machine shaft, presses the test tyre on the rotary drum in a set load by using a hydraulic pressure servo load system, the rotary drum rotates according to the specified speed, measures accumulated driving time and all parameters such as driving time, tread test, load, speed, atmospheric pressure and temperature, etc.

**COMPOSITION**

**MAIN TECHNICAL PARAMETER**



Item	PCR Tire	TBR Tire
Tyre outer diameter	486-1004mm	600-1500mm
Rim diameter	10" -28"	16" -24.5"
Cross section width	MAX. 400mm	MAX. 508mm
Tyre weight	MAX. 40kg	MAX. 90kg
Rotary drum diameter	1707.6mm	
Rotary drum width	508mm	
Radial variation	<0.25mm	
Test tyre rotation speed	30-400km/h	20-160km/h
Obliquity range	± 5°	
Obliquity testing accuracy	±0. 1°	
Gliding angle range	± 5°	
Gliding anle testing accuracy	±0. 1°	
Inflation pressure	0-0.6MPa ± 2%	0-0.9MPa ± 2%
Ambient temperature	10℃-42℃	
Test speed precision	30-170km/h, Precision:0-+1 km/h 170-400km/h, Precision:0-+2 km/h	20-80km/h, Precision:0-+1 km/h 80-160km/h, Precision:0-+2 km/h
Load range precision	all 4500kg, Precision: ± 1% all 8000kg, Precision: ± 1%	
Test tyre roll radius precision	200-550mm ± 0.15%	220-750mm ± 0.15%
Tyre inner pressure test precision	0-1MPa ± 2%	
Tyre inner temperature test precision	0-100℃ ± 1℃	
Tyre surface temperature test precision	0-100℃ ± 2℃	
Lab ambient temperature test precision	0-60℃ ± 2℃	
Power supply voltage	AC380 ± 10%; 3 phase, 5 line	
Capacity	About 320kw	
Compressed air	Pressure ≥ 0.9MPa	

Machine type	Machine Name
YLSN-J1324/4	PCR tire high speed /endurance testing machine
YLSN-Z1324/4	TBR tire high speed /endurance testing machine
YLSN-JZ1324/4	PCR/TBR tire high speed /endurance testing machine
YLSN-J1028Q	(Obliquity and gliding angle) PCR tire high speed /endurance testing machine