

Tire Plunger Tester

Our advanced range of Tire Plunger Tester machines are available in different configurations for various tests such as, plunger test, bead unseating, vertical elasticity coefficient, lateral elasticity coefficient, footprint analysis, dimension measurement, envelope stiffness, bevel stiffness, torsion, and inflation pressure tests. It equips with a servo driving system, high precision load & displacement detection device and the real-time computer analysis system to help the test facile and comprehensive. This extensive range of Tire Plunger Tester machines are widely used in the tire industry and meet the corresponding ASTM and other international standard test methods.



Specifications of the Tire Plunger Tester

Item	Plunger Energy Test	Thread Footprints/ Vertical Elasticity Coefficient Test	Lateral Elasticity Coefficient Test	Bead Unseating Test
Capacity		10 ton	2 ton/ 10 ton	10 ton
Unit (Switchable)		Kgf, lbf, N, kN, psi, MPa, N-m etc		
Load Resolution		1/200,000		
Load Accuracy		within±0.3%		
Stroke Accuracy		±0.5%		
Test Speed		0~299 mm/min adjustable		
Specimen(tries)		Light weight trucks, sedan, truck, engineering...etc.		Sedan (free of interior tire)
Apply to the Range of Tyre Diameter		max×1500mm		Rim dia. (code)254~406mm
Plunger	P8×80 mm, P19×200 mm, P32×330 mm, P38×330mm			
Effective Area of the Tread Footprints	-	420 × 297 mm	500 × 500 mm
Support Block for Bead Unseating Test		-		comply withJIS-D4230 A,B
Dimension(W×D×H)		Main unit: 122 × 270 × 280 cm Computer/desk: 133 × 70 × 105 cm		
Weight (approx)		3 ton		
Power		3 Phase, AC220V, 20A		