



轮胎强度/静负荷/脱圈阻力试验机



汕头市浩大轮胎测试设备有限公司

SHANTOU HAODA TYRE TEST EQUIPMENT CO., LTD.

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轮胎强度/静负荷/脱圈阻力试验机

该机器是按GB, ISO, FMVSS, ECE等标准对汽车轮胎破坏能, 对轿车轮胎(包括高性能轮胎)脱圈阻力测试的规定而设计。精密导轨和好的设备刚性保证了径向加载的垂直度, 采用四套伺服机构以保证设备的重现性, 以及力和位移的加载精度。

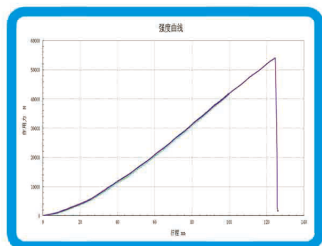
该机器支持轮胎静负荷测试, 使用扫描仪分析轮胎印痕。



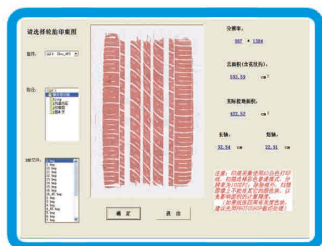
强度/静负荷伺服机构



三套脱圈阻力伺服机构



轮胎破坏能测量曲线(实测)



轮胎印痕分析

技术特点

- ☆ 高刚性, 低摩擦力
- ☆ 强度/静负荷闭环伺服加载, 有机械式和液压式两种型式可选
- ☆ 脱圈阻力测试机构共有三套伺服装置
脱圈阻力伺服加载
脱圈阻力测试摆杆中心高度自动定位
脱圈阻力测试P值自动定位
- ☆ 气压测量系统连续测量并记录轮胎气压变化
- ☆ 提供强度压头校验板
- ☆ 提供A型、B型、C型三种压块
- ☆ 提供19、32、38mm三种直径强度试验压头
- ☆ 提供扫描仪和轮胎接地面积自动分析系统

技术参数

- ☆ 最大轮胎直径: 1100mm
(强度/静负荷试验可增加至1500mm)
- ☆ 最大轮胎断面: 550mm
- ☆ 强度试验最大载荷: 50kN (可增加至100或150kN)
- ☆ 脱圈试验最大载荷: 50kN
- ☆ 力精确度: $\pm 1\%$
- ☆ 强度/静负荷加载垂直度: $\pm 0.05^\circ$
- ☆ 位移精确度: $\pm 0.01\text{mm}$
- ☆ 气压测量量程: $0\sim 1000\text{kPa}$
- ☆ 气压测量精度: $\pm 5\text{kPa}$





Tire Strength / Static Load / Bead Unseating Testing Machine



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Tire Strength/Static Load/Bead Unseating Testing Machine

This machine is designed specifically for the tire strength, static load, and passenger car tires bead unseating test in compliance with FMVSS, ISO, ECE, GB and other international standards.

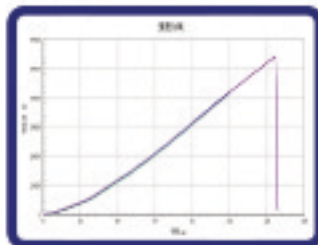
Supports bead unseating test for high performance tire (above 19 inches)
Supports tread contact area ratio (image scanning by scanner)



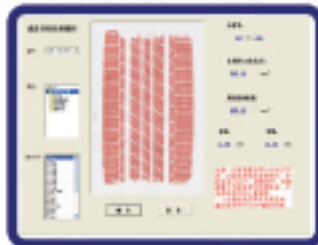
Strength/static load servo mechanism



3 sets servo mechanism for bead unseating test



Tire strength measuring curve (measured)



Tire tread contact area analysis

Technical Features:

- ☆ Free standing robust steel frame requiring no special foundation.
- ☆ High rigidity and low friction.
- ☆ Linear guiding systems, ensuring high precision and low friction testing.
- ☆ Mechanic servo-system or hydraulic servo.
- ☆ Four sets of servo mechanism:
 - # 1 set for strength test & static load test
 - # 3 sets for bead unseating test: force, dimension P (A), dimension from horizontal beam to bottom of anvil.
- ☆ Supports inflation pressure measuring.
- ☆ Supply plunger heck board.
- ☆ Supply 19mm, 32mm & 38mm plunger.
- ☆ Supply type A, type B and type C bead unseating blocks.
- ☆ Supply tread contact area analysis system, include a scanner.

Technical Parameters:

- ☆ Force of strength & static load testing: 100kN (up to 150kN)
- ☆ Force of bead unseating testing: 50kN
- ☆ Load accuracy: within $\pm 1\%$
- ☆ Stroke accuracy: within $\pm 0.01\text{mm}$
- ☆ Static load verticality: within $\pm 0.05^\circ$
- ☆ Rang of inflation pressure: 0~1000kPa
- ☆ Measuring accuracy of inflation pressure: within $\pm 5\text{kPa}$

