



# 飞机轮胎径向疲劳试验机



汕头市浩大轮胎测试装备有限公司

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# 飞机轮胎径向疲劳试验机

该机器是按GB, GJB等标准对飞机轮胎、汽车轮胎径向疲劳试验要求进行设计、制造。设备采用了最新的轮胎水冷却技术，与目前普遍使用的风冷方式相比，设备工作效率提高了3~4倍，轮胎耗用减少一半以上。



水冷式试验工位



冷却水池



支持外倾角测试



密封防护罩和监控视频

## 技术特点

- ☆ 合理的热力学模型，保证有效水冷却
- ☆ 在水冷却的支持下，设备可不间断持续运行
- ☆ 减少了轮胎爆破强度，运行更安全
- ☆ 多项防锈防水设计，保障设备良好运行
- ☆ 多项安全设计，保障试验操作和设备维护人员安全
- ☆ 多项静音减振设计，低噪音低振动
- ☆ 支持外倾角/侧偏角工况

## 技术参数

- ☆ 转鼓直径：3000mm
- ☆ 转鼓宽度：600mm（可调整到1000mm）
- ☆ 转鼓平衡品质：  
GB/T 9239.1-2006 / ISO 1940-1:2003  
《机械振动恒态（刚性）转子平衡品质要求》  
G1.0
- ☆ 径向力加载方式：液压，闭环伺服
- ☆ 最大径向力：200kN（可增加到400kN）
- ☆ 力精确度：±0.5%
- ☆ 位移精确度：±0.01mm





# Airplane Wheel Radial Fatigue Testing Machine



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## Airplane Wheel Radial Fatigue Testing Machine

This machine is designed specifically for the wheel and airplane vehicle wheel radial fatigue testing in compliance with GB, GJB standards. This machine uses an latest design of tire water cooling technology. Compared with air cooling mode, which is currently used, tire water cooling machine will improve the equipment efficiency by 3 ~ 4 times, tire consumption reduced by more than half In the same wheel radial fatigue testing. Supporting slip & camber angle function is an option.



Tire Water Cooling



Cooling Water Return Pool



Supports Camber Angle Function



Sealed Protective Cover and Monitoring System

### Technical Features:

- ☆ Precise load adjustment through servo hydraulic.
- ☆ Reasonable thermodynamic model ensures the effective water cooling.
- ☆ Tire water cooling ensures the machine can run 7×24 hours, do not need stop to wait tire cooling.
- ☆ Reduces the tire burst strength in wheel testing, ensures the test work more safe.
- ☆ Several anti rust and waterproof designs ensure good operation.
- ☆ Several safety designs ensure the safe of testing operator and the machine.
- ☆ Several anti noise and vibration reduction designs ensure low noise and low vibration.
- ☆ Supports slip & camber angle function.

### Technical Parameters:

- ☆ Drum diameter:3000mm
- ☆ Drum width:600mm(up to 1000mm)
- ☆ Radial load capacity:200kN(up to 400kN)
- ☆ Load accuracy:±0.5%
- ☆ Stroke accuracy:±0.01mm
- ☆ Noise: ≤80dB

