

软支承自动定位平衡机系列说明

Introduction of Soft bearing auto-positioning balancer series

简要说明 / Brief Introduction

- 10寸触摸屏
10 inch touch screen
- Win CE操作系统
Win CE operating system
- 电补偿
Electronic compensation
- 陶瓷棒支承
Ceramic rod support
- 自动定位
Automatic positioning
- 特定工件免贴反光纸
Specific Workpieces None reflective paper
- 软支承
Soft bearing
- 圈带传动
Belt driven
- USB数据导出
USB Data Export
- 转子数据保存
sets of rotor data storage
- 测量记录保存
items of measurements record storage
- 步进电机调速
Stepper motor speed regulation

详细说明 / Details

- RRQ软支承自动定位系列平衡机采用先进的步进驱动装置，可实现准确的自动定位，测量合格自动停止，不合格则自动停在不平衡点。避免人工寻找角度，从而提高工作效率。
- 下切式圈带传动，便于高效率地上下转子。
- 触摸屏人机界面，操作更方便。
- 功能强大的680D平衡测量软件，配合高精度的采集板，测量精度更高。
- 本机特别适用于微电机、电动工具等微型轴类转子的大批量平衡。
- PRQ Soft bearing auto-positioning balancing machine series adopt to advanced Stepper motor drives. Which can achieve accurate automatic positioning. It will automatic stop after measurement is qualified. Otherwise it will stop at the unbalance point, Avoid manual looking for angles, thereby improve working efficiency.
- Under slung belt drive, it's convenient to upload and down rotor.
- Touch-screen interface, operation will be more convenient.
- 680D balancing measurement software with complete functions: high-precision acquisition board and higher measurement accuracy.
- The machine is particularly suitable for micro-motors, electric tools and other small shaft of the rotor batches balance.



技术数据 / Technology Data

规格 Specification	型号 Model	PRQ-0.5/1.6D
工件质量范围 (kg) Maximum weight of workpiece		0.5/1.6
工件最大外径 (mm) Maximum diameter of workpiece		Φ150
两支承座间距离 (mm) The distance between two bearing pedestals		20~320
支承轴径范围 (mm) Journal diameter on roller carriages		Φ2~16
圈带传动轴径范围 (mm) Belt driving diameter		Φ60
工件传动处直径为100mm时的转速 (r/min) Rotation speed when the diameter of operating transmission is 100mm		~1470(无极调速)
电动机功率 (kW) Motor power		0.05步进电机 (Stepper motor)
最小可达剩余不平衡度 (E _{res}) Minimum achievable Residual unbalance		≤0.3g.mm/kg
输入电源 power supply		单相 220V 50HZ



PRQ-0.5/1.6D型软支承自动定位平衡机

硬支承自动定位平衡机系列说明

Introduction of Hard bearing auto-positioning balancer series

简要说明 / Brief Introduction

- 自动定位
Auto-positioning
- 测量数据统计分析
Statistical analysis of measurement data
- 17寸显示屏
17inch display screen
- Windows 操作系统
Windows operation system
- 特定工件免贴反光纸
Specific Workpieces None reflective paper
- 硬支承
Hard bearing
- 滚轮与支承片双支承
Supportings by roller and supporting slip
- 伺服电机调速
Change speed through servo motor



详细说明 / Details

- PHQ硬支承自动定位系列平衡机采用先进的伺服驱动装置，可实现准确的自动定位，测量合格自动停止，不合格则自动停在不平衡点。避免人工寻找角度，从而提高工作效率。
- 下切式圈带传动，便于高效率地上下转子（另外配置打点机构，可实现标记不平衡点）。
- 强大的平衡软件可实现：中英文界面，自动测量，自动定位，数据分析，打印，联网及更多的控制功能。
- 本机特别适用于微电机、电动工具等小型轴类转子的大批量平衡。
- PHQ Hard bearing auto-positioning balancing machine series adopt to advanced servo drives. Which can achieve accurate automatic positioning. It will automatic stop after measurement is qualified. Otherwise it will stop at the unbalance point, Avoid manual looking for angles, thereby improve working efficiency.
- Under slung belt drive, it's convenient to upload and down rotor, (Additional configuration striking mechanism, Which can realize mark unbalance point).
- Powerful balancing software can achieve: Chinese and English interface, automatic measurement, automatic positioning, data analysis, printing, networking, and more control function.
- The machine is particularly suitable for micro-motors, electric tools and other small shaft of the rotor batches balance.

技术数据 / Technology Data

规格 Specification	型号 Model	PHQ-1.6/5/16D	
工件质量范围 (kg) Maximum weight of workpiece		1.6/5	16
工件最大外径 (mm) Maximum diameter of workpiece		Φ260	
两支承座间距离 (mm) The distance between two bearing pedestals		40~300	40~500
支承轴径范围 (mm) Journal diameter on roller carriages		Φ3~30	
圈带传动轴径范围 (mm) Belt driving diameter		Φ20~85	Φ20~200
工件传动处直径为100mm时的转速 (r/min) Rotation speed when the diameter of operating transmission is 100mm		~1410(无极调速)	
电动机功率 (kW) Motor power		0.4伺服电机 (Servo motor)	
最小可达剩余不平衡度 (E _{res}) Minimum achievable Residual unbalance		≤0.3g.mm/kg	≤0.5g.mm/kg
输入电源 power supply		单相 220V 50HZ	



PHQ-1.6/5/16D型硬支承自动定位平衡机