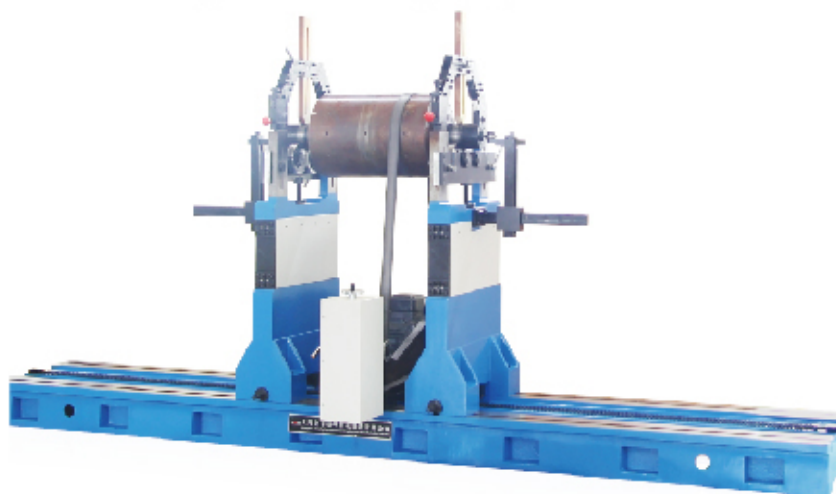


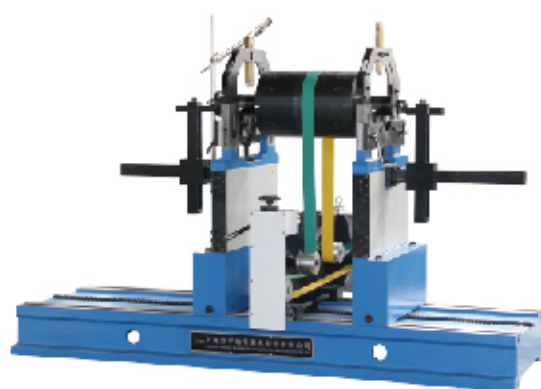
圈带平衡机系列说明 Introduction of Belt-driven Balancer Series

简要说明 / Brief Introduction

- 专业设计的摆架，有效传递机械力，坚固可靠，振动阻尼小，刚性好。
- 高灵敏度传感器，线性度好，耐用可靠。
- 永久标定测量原理，精度高，允许极高的初始不平衡量。
- 圈带传动结构，更高的测量精度，使用更方便。
- 先进的电测系统，友好的人机界面，功能强大。
- 模块化设计，应用范围广。
- The specially designed, solid and reliable brackets can effectively transmit mechanical force with low vibration damping and high rigidity.
- The durable and reliable sensor possesses high sensitivity and good linearity.
- The permanent calibration brings high accuracy with a permission of large initial unbalance amount.
- Belt-driving offers higher precision and easier operation.
- The complete functions including advanced electronical measuring instrumentation and friendly man-machine interface.
- Modular design offers a wide range of application.



PHQ-5000型圈带平衡机



PHQ-1000H/2000H型圈带平衡机

详细说明 / Details

- PHQ系列平衡机特别适用于电机转子、风机叶轮、水泵叶轮、增压器转子、离心机转子、胶辊、机床主轴、曲轴等机械的旋转部件的平衡检测。
- 采用圈带直接传动，减少了工装夹具的误差，操作简单，检测精度更高。
- PHQ series are applicable for balancing the rotating parts of motors, fan impeller, pump impellers, turbochargers, centrifugal rotor, roller, spindler crankshaft etc.
- Belt-driving decrease the tolerance caused by the clamp, makes operation easier and brings higher precision.

圈带平衡机系列说明 Introduction of Belt-driven Balancer Series

技术数据 / Technology Data

规格 Specification	PHQ-1.6/5	PHQ-1.6A/5A/16A	PHQ-50/50A/50B	PHQ-160H	PHQ-300H	PHQ-500H	PHQ-1000H	PHQ-2000H	PHQ-3000H	PHQ-5000
工件质量范围 (kg) Maximum weight of workpiece	1.6/5	1.6/5/16	50	160	300	500	1000	2000	3000	5000
工件最大外径 (mm) Maximum diameter of workpiece	Φ300	Φ300	Φ700	Φ1000	Φ1220	Φ1500	Φ1600	Φ1800	Φ2100	Φ2400
两支承座间距离 (mm) The disance between two bearing pedestals	15~500	60~500	80~700	130~1270			160~1780		160~2280	500~2200
支承轴径范围 (mm) Journal diameter on roller carriages	Φ3~40	Φ3~40/ Φ3~40/ Φ5~40	Φ8~80	标准型 Φ15~75可增至 Φ75~180			标准型 Φ25~120可增至 Φ120~240			Φ40~380
圈带传动处直径范围 (mm) Belt driving diameter	Φ20~85	Φ15~150	Φ18~200	Φ40~400	Φ40~500	Φ40~600	Φ40~700	Φ40~800	Φ50~900	Φ50~1000
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	185,335,390,700 +无极调速	~1470	700,1050 +无极调速	756,1176 +无极调速			1330,1918 +无极调速	684,986 +无极调速	921,1329 +无极调速	795,1853 +无极调速
电动机功率 (kW) Motor power	0.15 DC	0.23 DC	0.75(变频)	1.5(变频)		2.2(变频)	4(变频)	5.5(变频)	7.5(变频)	15(变频)
最小可达剩余不平衡度 (E _{res}) Minimum achievable Residual unbalance	≤0.3g.mm/kg			≤0.5g.mm/kg						≤1g.mm/kg
不平衡减少率U _{RR} (%) Unbalance reduction ratio	≥90%									
输入电源 power supply	单相 220V 50HZ			三相 380V 50HZ						



PHQ-50A型圈带平衡机