

万向节平衡机系列说明  
Introduction of Universal-joint Balancer Series

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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。
- 一次标定，永久使用，允许极高的初始不平衡量。
- 平衡机专用的万向联轴节传动，动力传递平稳，起动快，操作方便。
- 适用于转子外圆不能采用圈带传动装置或是要求很大的传动功率。
- 先进的电测系统，友好的人机界面，功能强大。



- 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.
- Driven by Universal coupling, the machine can transmit the power steadily, start quickly and operate easily.
- Applicable to rotors which can't be driven by belt or needs larger transmission power.
- The complete functions including the advanced electronical measuring instrumentation and friendly man-machine interface.



PHW-15000/20000型万向节平衡机

详细说明 / Details

- PHW系列平衡机特别适用于风机、大型电机、水泵、离心机、胶辊、烘缸、内燃机、筛篮等外圆不能采用圈带传动装置或是要求很大的传动功率的机械转动部分的平衡检测。对于重心外伸的特殊转子同样适用。
- 采用万向节传动方式，可传递更大的动力，运转更加平稳。一台机器也可同时选用圈带传动方式和万向联轴节传动方式。
- PHW series balance are particularly applicable for blowers, large-sized motors, pumps, centrifuges, rubber rollers, drying cylinders, internal-combustion engines, Screen basket as well as overhang rotors, which can't be driven by belt or mechanical need larger parts transmission parts transmission power.
- Universal coupling driving provides more transmission power and works more steadily. The option of belt-driving and Universal coupling driving are available on the same balancing machine.

技术数据 / Technology Data

规格 Specification	型号 Model										
	PHW-160H	PHW-300H	PHW-500H	PHW-1000H	PHW-2000H	PHW-3000H	PHW-5000	PHW-10000H	PHW-15000	PHW-20000	PHW-30000
工件质量范围 (kg) Maximum weight of workpiece	160	300	500	1000	2000	3000	5000	10000	15000	20000	30000
工件最大外径 (mm) Maximum diameter of workpiece	Φ1000	Φ1220	Φ1500	Φ1600	Φ1800	Φ2100	Φ2400	Φ2800	Φ2800	Φ3000	Φ3000
两支承座间距离 (mm) The distance between two bearing pedestals	最小(Min)60						最小(Min)320	最小(Min)450	最小(Min)500	最小(Min)500	最小(Min)500
万向联轴节左右支撑点中心最大距离 (mm) Distance from coupling flange of drive shaft to center of farthest bearing (mm)	1500		1600		1900		2500	4000	4200	5200	6000
支承轴径范围 (mm) Journal diameter on roller carriages	标准型Φ15-75可增至Φ75-180			标准型Φ25-120可增至Φ120-240			Φ40-180 可增至Φ180-380	Φ60-200可增至Φ200-400			Φ80-240 可增至Φ240-500
主轴转速 (r/min) Spindle speed	600,1095+无极调速					无极调速					
电动机功率 (kW) Motor power	3 (变频)		4 (变频)		7.5 (变频)		15 (变频)	22 (变频)	30 (变频)	55 (变频)	75 (变频)
万向联轴器扭矩 (Nm) Universal Coupling Torque	60		250		300	700	1250	2250	5000	7800	
最小可达剩余不平衡度 (E <sub>res</sub> ) Minimum achievable Residual unbalance	≤1g.mm/kg							≤2g.mm/kg			
不平衡减少率 U <sub>res</sub> (%) Unbalance reduction ratio	≥90%										
输入电源 power supply	三相 380V 50HZ										



PHWQ-5000型万向节平衡机



PHW-3000型双驱动平衡机

安全罩系列 (选配) / Safety cover series (Optional)

