

转子端面三轴联动钻孔四工位全自动平衡机说明

Rotor end face three-axis linkage drilling four-station automatic balancing machine

简要说明 / Brief Introduction

- 广泛用于水泵及端面去重方式的产品平衡测量与修正，可联结转子生产线实现自动化生产。
- Widely used in product balance measurement and correction for pumps and end-face removal methods, which can be used to connect the rotor production line for automated production.

产品特点 / Features

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| 1. 流水线自动上下料 | 1. Automatic loading and unloading of the assembly line |
| 2. 12寸人机界面 | 2. 12 inch human-machine interface |
| 3. 六轴联动，同时加工 | 3. Six-axis linkage, simultaneous processing |
| 4. 更换产品时间短 | 4. Short product replacement time |
| 5. 软支撑平衡测量系统 | 5. Soft support balance measurement system |



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平衡单元参数 Parameters of Balancing Unit

工件最大质量: Max. weight of workpiece (Kg)	1.6Kg
工件外径范围: Outside diameter range of workpiece (mm)	30~130mm
支撑轴径: Maximum rotor length	φ5-16
平衡机转速: Balancing speed (r/min)	≤2500r/min
平衡电机功率: Balancing motor power (kw)	0.4Kw (伺服电机) 0.4Kw Servo motor
可达剩余不平衡度: Achievable residual unbalance (emar)	≤0.3g.mm/kg
不平衡一次减少率: Unbalance reduction ratio	≥90%
测试时间(秒): Testing time(second)	5~9
工作电压: Working voltage (V)	AC:380V外接 380 external connection
工作气压: Working air pressure (MPa)	0.4-0.6MPa
去重方式: Weight-removing method	钻削 Drilling
钻削功率: Drilling power	0.75Kw
平衡机类型: Balancing machine type	软支撑测量摆架 Soft-bearing measuring brackets
机台总功率: Machine total power	9.5KW
机器平均耗气量: Average air consumption of the machine	50L/min
生产节拍(秒) Takt time (second)	12~15 (s), 左右端面各钻一次 12~15(s.)drilling once on the left and right side
保护 Protection	相序保护、过载保护、气压监测 Phase sequence protection, overload protection, air pressure monitoring

