

treadmill motor rotor automated balancing machine

Brief Introduction

This machine is mainly used in the assembly dynamic balance of treadmill motor. After fully considering the balance precision of the whole components, the automatic series machine can effectively eliminate the vibration caused by the bearing parts and other assembly errors. After specially designed the hard support pendulum system, the measurement range is expanded and the failure rate is reduced. Customized special fixtures, due to the use of fast chuck fastening, can be perfectly applied to the assembly dynamic balance. Rapid detection and measuring system, with high precision automatic de-weight mechanism, can be highly efficiently products testing and de-weight.

Well-designed mechanical modules can quickly and precisely balance the work piece. You can with less spending for the production line with the best balance equipment.

Parameter	
rotor' s weight	5-50Kg
supporting shaft diameter(Motor fix diameter)	Φ80-120mm
milling cutter diameter	Φ100-150mm
milling cutter thcikness	25mm-40mm
Minimum achievable residual unbalance	<5g.mm/kg
unbalance reduction rate by one time	>90%
<small>If rotor' s dimensions are out of configuration range or are specially created, communication with technologists and confirmation are required before machine production. processing period 30s (audit basing on treadmill motor weight, materials and dimensions)</small>	
configuration	
balancing machine and measuring system: jp balancer	
drilling engaging motor: 0.75kw panasonic servo motor	
drilling spindle motor	
cylinder: smc	
drilling track	main driven motor: taiwan hankun
vacuum cleaner: suzhou deico	

