

YYQ-50 Horizontal Hard Support Dynamic Balance Testing Machine



1、 Product Introduction

This series of horizontal hard support balancing machines adopts roller support and circular belt dragging, and is processed by industrial control computers for data processing. The imbalance value, phase angle, and real-time speed are displayed in real time. The bed body is made of integral casting, with good stability. Due to the use of a relatively soft flat belt to drive the workpiece without additional unbalanced interference, the measurement accuracy is high and the structure is simple. It is widely used in the industries of electric motors, fans, diesel engines, automotive parts, etc. Balance measurements can be performed on single, double, and multiple calibration surfaces. It is suitable for shafts, disks, and center-of-gravity extended rotors. It has the characteristics of high efficiency, accurate precision, intuitive display, reliable quality,

and convenient maintenance. It is the first choice for general dynamic balancing workpieces. The software has two calibration functions for ordinary workpieces and standard rotors, overcoming the defect that users of other hard-support balancing machine measurement systems have difficulty calibrating the equipment themselves. There are multiple measurement methods and functions to choose from, which can achieve parameter input, preview, test, result storage, printing, and operation in a fully localized menu structure. It has human-computer interaction and automatic prompts.

二、 Main technical parameters

- 1、 Workpiece mass range kg : 1-50
- 2、 Workpiece diameter mm : Φ 900
- 3、 Distance between two supports mm : 80-800
- 4、 Axis diameter range mm : Φ 8-70
- 5、 The diameter range at the drag point of the loop (mm) : Φ 18-250
- 6、 Balanced speed r/min : 300-1500
- 7、 Minimum achievable residual unbalance gmm/kg : ≤ 0.5
- 8、 Unbalance reduction rate% : ≥ 90
- 9、 Motor power kw: 0.75
- 10、 Effective support length: 850mm

三、 Measurement system

- ★ Industrial control computer, 19 inch LCD display (touch screen can be equipped)

according to customer needs), Windows operating platform

★ Equipped with our company's self-developed universal balance measurement system. The universal software functions cover all the functions of mainstream balance machine software in China, with a Chinese menu structure for operation and text prompts for operation steps.

★ The measurement system has strong performance: any workpiece is calibrated, and the measurement speed range is wide, starting from 80 revolutions per minute, measuring speed blocks, stable imbalance amplitude and phase, high weight removal rate and separation ratio, high sensitivity.

★ The software is equipped with an imbalance calculator, and the operator only needs to input the required vibration accuracy level, quality, working speed, and radius point of the workpiece.

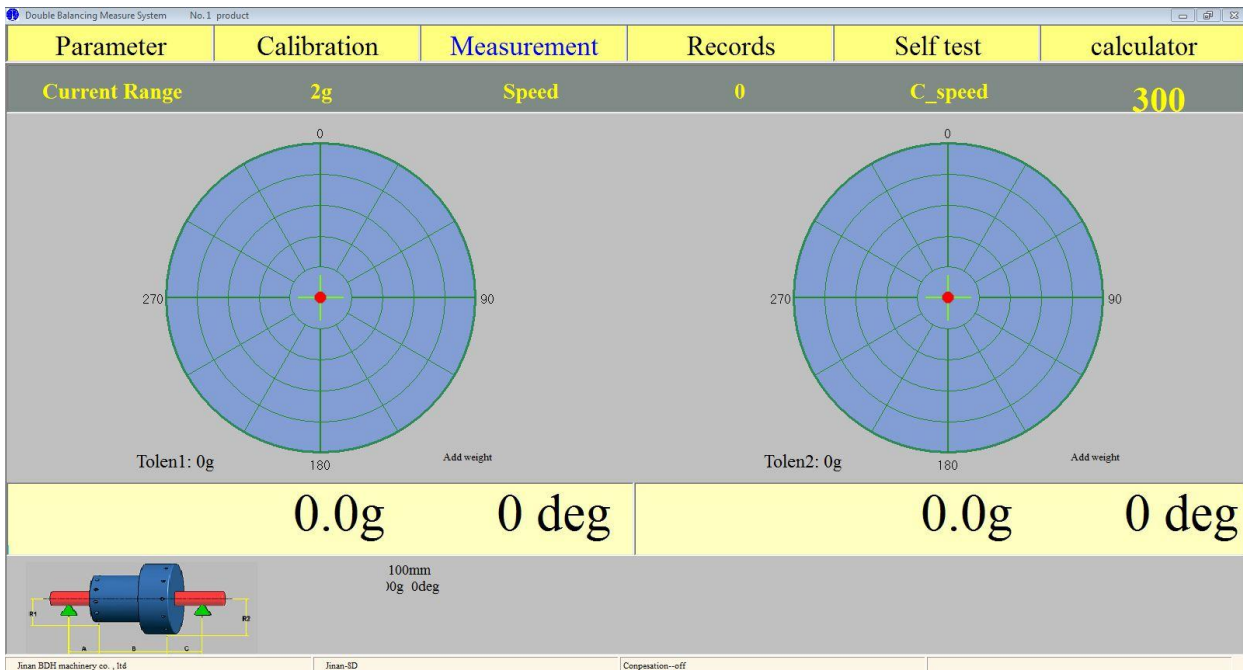
★ The software is completely independently developed and can be modified or added according to customer requirements Mechanical parts and control

★ Hard or soft support for swinging and casting the bed, with better equipment stability and wide measurement speed range

★ The swinging frame can move along the bed and stop at any part above the bed, so the equipment can balance workpieces of any length between them.

★ Install synchronous rotation scale markings for easy identification of unbalanced angle.

★ Adopting a variable frequency speed control system, adjust the starting time of the equipment motor as needed for easy use



4、 After sales service

Jinan Hengxu Testing Machine Technology Co., Ltd. takes "providing high-quality and cutting-edge testing equipment for society" as its purpose, "service first, not promoting products for profit" as its service philosophy, and adheres to the business philosophy of "people-oriented, honest and trustworthy; eternal service, and sustainable development". We always prioritize customer needs and integrate them into all aspects of product research and development, production, installation, sales, and after-sales service.

1. Equipment quality assurance

Our company guarantees that all equipment is produced by the original factory as shown in the bidding document, and guarantees that all provided equipment is brand new, meeting national standards and contract requirements, and producing

high-quality products that satisfy users. Take full responsibility for the quality of the products provided by our company and provide high-quality services.

(1) Free warranty period: **12** months

(2) Starting method for the free warranty period: after passing the acceptance inspection

(3) During the free warranty period, maintenance personnel will be present **24** hours after receiving the repair notice

(4) The required components and accessories are supplied year-round.

2. Service within the product warranty period

(1) All products have a warranty period of **12** months from the date of signing for qualified acceptance, with lifelong maintenance. During the warranty period, free on-site maintenance is provided, and software upgrades are free for life.

(2) When users experience performance failures during normal use, they will respond within **2** hours of receiving a device failure notification and provide a solution; If the issue cannot be resolved, a response will be provided within **24** hours, and the problem will be resolved on site within **48** hours until the equipment is used normally.

(3) During the free warranty period, the seller is responsible for all expenses incurred due to equipment quality issues.

(4) Ensure that all equipment is installed and debugged within the time specified in the contract, provided to the purchaser for normal use, and free Chinese user manuals and training on equipment use and management are provided. Provide year-round technical support.

3. Service beyond the warranty period

(1) If the service life of the equipment exceeds the warranty period, the company provides lifelong free maintenance, and only charges cost fees for the parts that need to be replaced.

(2) Provide timely and free upgrades to device software, provide free information on new device features (such as devices that require upgrades), and provide relevant information technology and follow-up work.

(3) Equipment accessories and consumables are supplied at a year-round discount, with a 20% discount on regular prices.

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