

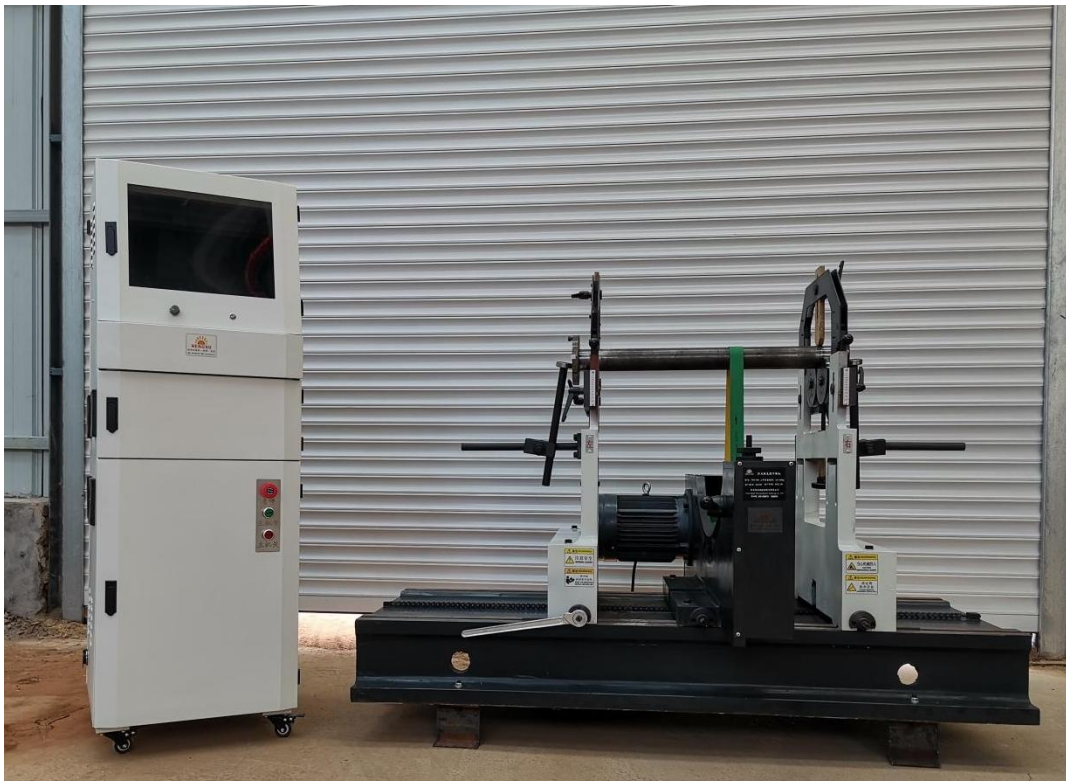
YYQ-1000 Horizontal hard support balancing machine



I. Product Introduction

This series of horizontal hard-support balancing machines uses roller support and ring belt drag, with data processing by an industrial control computer, real-time display of unbalance values, phase angles, and real-time rotational speed. The bed is integrally cast for good stability. Due to the use of relatively soft flat belts to drag the workpiece, there is no additional unbalance interference, so 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 shortcomings of other hard-support balancing machine measurement systems where users have difficulty calibrating the equipment themselves. There are multiple measurement methods and functions to choose from, including parameter input, preview, test, result storage, printing, and full Chinese menu structure for operation. Human-computer interaction and automatic prompts are available.



二、 Main Technical Parameters

- 1、 Workpiece quality range kg: 10-1000

- 2、 Workpiece diameter mm: $\Phi 1500$
- 3、 Distance between two supports mm: 150-2600
- 4、 Axis diameter range mm: $\Phi 20-240$
- 5、 Diameter range of the drag area of the loop belt mm: $\Phi 40-650$
- 6、 Balance speed r/min: 180-1500
- 7、 Minimum achievable residual unbalance gmm/kg: ≤ 0.5
- 8、 Reduction rate of unbalance: ≥ 90
- 9、 Motor power kw: 5.5
- 10、 Bed length: 2.9 m

三、 Measurement system

★ Industrial control computer, 19-inch LCD display (can be equipped with touch screen according to customer needs), Windows operating platform

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

★ The measurement system has powerful performance: any workpiece calibration, wide measurement speed range starting from 80 rpm, measurement speed block, stable imbalance amplitude and phase, high dewatering rate and separation ratio, high sensitivity

★ The software comes with an imbalance calculator. The operator only needs to enter the vibration accuracy level, mass, working speed, and radius points of the workpiece,

and click on the calculation to obtain the grams of allowable residual imbalance of the workpiece.

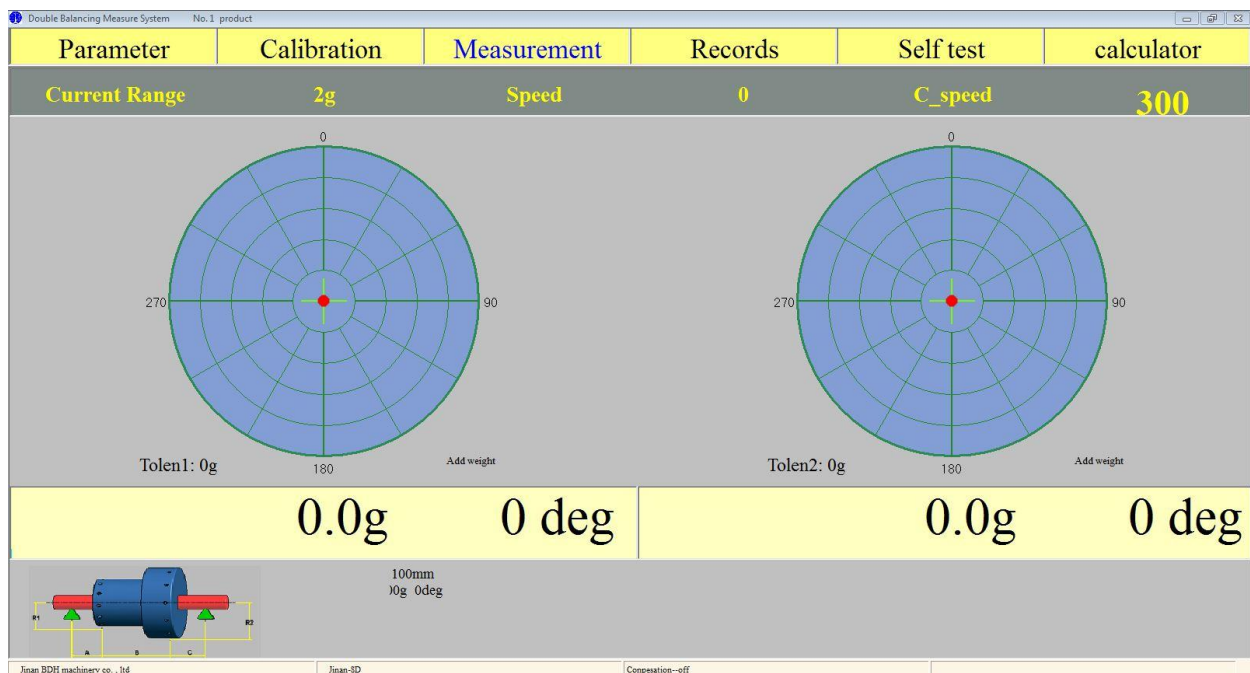
★ The software is fully developed independently and can be modified or added to software functions according to customer requirements Mechanical part and control

★ Hard or soft support swing frame and casting bed, better equipment stability, wide measurement speed range

★ The swing frame can move along the bed and stop at any position above the bed, so the equipment can balance any length of workpiece.

★ With angle tracking function, it is convenient to find the unbalance angle.

★ Using frequency control system, adjust the starting time of the equipment motor according to the need, easy to use



V. Confidentiality of Technical Information and Materials

1. This technical solution belongs to our company's technical information, and without permission, the information should not be transmitted to third parties. Users should be obligated to keep confidential the technical intelligence and information provided by us. This clause is valid for a long time, regardless of whether this solution is adopted or not;
2. We also have a confidentiality obligation to the technical information and materials provided by the user.

VI. After-sales Service

The warranty period is one year from the date of acceptance, with lifelong maintenance. Full free services are provided within one year, with free on-site installation and debugging for new machines, and free training for operators.

1. The test equipment provided shall comply with the current national standards or industrial standards to ensure the technical progressiveness and reliability of the test equipment;
2. Supply of required parts and accessories throughout the year;
3. Perennial technical support for products, providing solutions for product maintenance within 24 hours, and arriving within 48 hours for on-site solutions;
4. The software is free to upgrade for life.

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