

YYQ-500 horizontal hard supportBalancing 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 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. Human-computer interaction and automatic prompting are available.

二、 Main Technical Parameters

- 1、 Workpiece quality range kg: 10-500
- 2、 Workpiece diameter mm: $\Phi 1500$
- 3、 Distance between two supports mm: 150-1500
- 4、 Axis diameter range mm: $\Phi 20-240$
- 5、 Diameter range of the drag area of the loop belt mm: $\Phi 40-500$
- 6、 Balance speed r/min: 300-1500
- 7、 Minimum achievable residual unbalance gmm/kg: ≤ 0.5
- 8、 Rate of unbalance reduction: ≥ 90
- 9、 Motor power kw: 4

三、 Measuring 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 features cover all functions of the mainstream balance machine software in China, and the operation is fully implemented using Chinese

menu structure, with text prompts for operation steps

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

★ The software comes with an unbalance calculator, and 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 unbalance of the workpiece

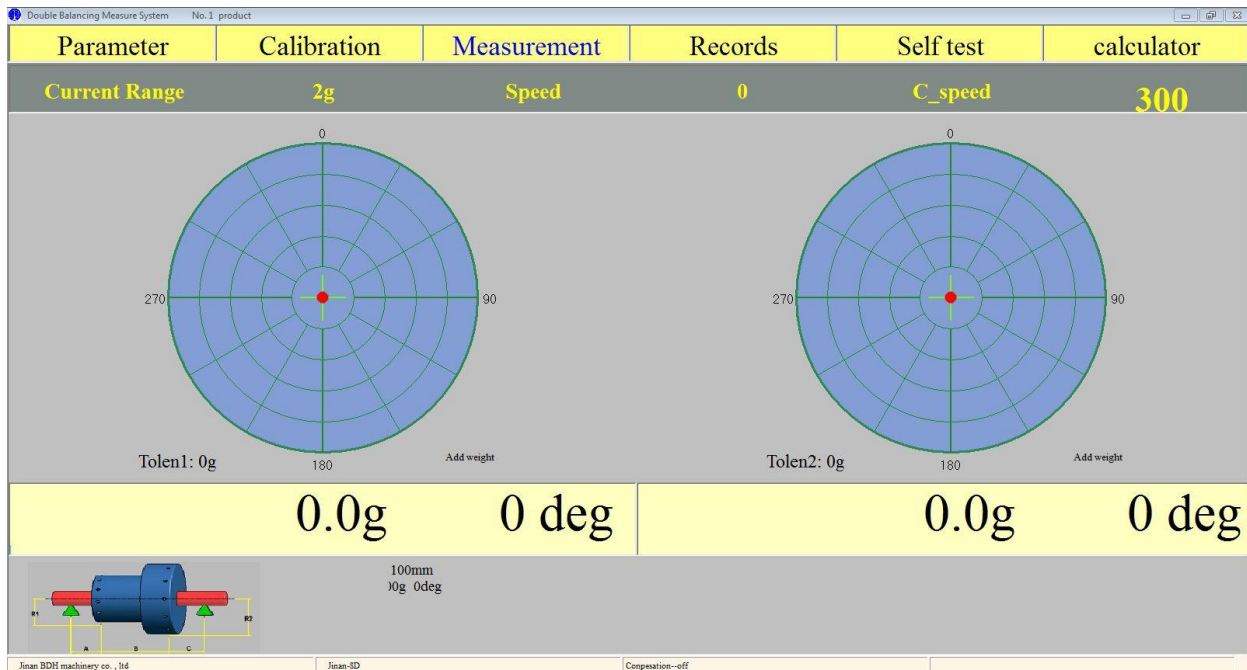
★ The software is fully developed independently, and can be modified or added according to customer requirements Mechanical part and control

★ 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.

★ Install synchronous rotation scale marks for easy access to the unbalance angle.

★ Use frequency conversion speed regulation system to adjust the starting time of the equipment motor according to needs, 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 shall not be disseminated to third parties. Users shall be obligated to keep confidential the technical intelligence and information provided by us. This clause shall remain valid for a long time, regardless of whether this solution is adopted or not;
2. We also have a confidentiality obligation for 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, including free on-site installation and debugging of 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. The required parts and accessories are available all year round;

3. Technical support for products throughout the year, providing solutions for product maintenance within 24 hours, and arriving on-site within 48 hours if necessary;

4. Software is free to upgrade for life.

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