

Company Profile

Since its establishment in 1997, Beacon Machinery Manufacturing Co., Ltd. has been adhering to the principle of independent innovation, taking the road of independent research and development, from the principle of product design, software and electrical development, parts processing, machine assembly to after-sales service in strict accordance with ISO9001:2000 According to the requirements of the quantitative system and the international standards of the industry, we have down-to-earth design and manufacture of CNC equipment such as dynamic balancing machines that are satisfactory to our customers. Up to now, we have been able to produce six series of nearly one hundred types of dynamic balancing machine products and four series. The economical CNC lathes and pneumatic marking machines and other CNC products.

Technology, quality and efficiency are the foundation of our company's management of the factory. Based on the principle of high starting point, high standard and strict requirements, we adhere to the tenet of technology, quality-oriented, and timely service, constantly innovating, sincerely serving customers, and striving for Create a well-known brand in the international balancing machine industry.

CATALOG

- 1.TURBOCHARGER BALANCE MACHINE**
- 2.BELT DRIVE BALANCING MACHINE**
- 3.UNIVERSAL JOINT BALANCING MACHINE**
- 4.FAN SPECIAL BALANCING MACHINE**
- 5.DUAL DRIVE BALANCING MACHINE**
- 6.DRIVE SHAFT BALANCING MACHINE**
- 7.SINGLE SIDE VERTICAL BALANCING MACHINE**
- 8.AUTOMATIC VERTICAL BALANCING MACHINE**
- 9.AUTOMATIC VERTICAL BALANCING MACHINE**
- 10.CROSS FLOW FAN BLADE DYNAMIC BALANCING MACHINE**



1. Turbocharger Balance Machine



BC-D3

Features

- 1) Frequency control, speed 0-3000R/M adjustable(according to the actual needs)
- 2) Test result are accurate and stable.
- 3) Free choice of parameters, custom memory recording mode.
- 4) Complete parts and accessories , to meet the requirements of the vast majority of the turbocharger.
- 5)BC-D3 balance turbo equipment equipped with compact Pneumatic handwheel, for de-emphasis, work easy and efficient.

Technical Parameters

Test Piece work rate	0-3000R/Min adjustable
Fan power	7.5KW
Hydraulic	0-6bar.
Fuel tank	5 liters (SAE 15/30)
Voltage	380V / 50-60HZ



2. Belt Drive Balancing Machine

(1) RYQ Series



RYQ-3A/10A

Features

- (1) High measuring accuracy and efficiency
- (2) Safe and simple handling
- (3) Infinitely variable DC drive
- (4) Large weight range
- (5) Ergonomic working height
- (6) Horizontal balancing machine, soft-bearing, belt drive,
- (7) Balancing mechanical parts (can put on a table Measuring)
- (8) system balancing software computer display.

Technical Parameters

Model	Workpiece weight Range (Kg)	The Maximum Diameter Of The Workpiece (mm)	Distance Between Two Supports (mm)	Shaft diameter range at support (mm)	The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	Balance Speed (R/min)	The Minimum Achievable Residual Unbalance (G .mm/kg)
RYQ-3A	0.1~3	φ350	30-450	φ4-17	≤φ150	400~3000	≤0.5
RYQ-10A	0.3~10	φ350	30-450	φ4-17	≤φ150	400~3000	≤0.5

(2) YYQ Series



YYQ-5A

Features

- (1) The fully automatic program control amplification module is simple and easy to use.
- (2) Vector graphics, wave type and imbalance at the same time.
- (3) High efficiency, accurate accuracy, accuracy, intuitive, reliable quality, convenient maintenance and other characteristics.

Technical Parameters

Device model	YYQ-5A
Workpiece weight Range (Kg)	0.1~5
The Maximum Diameter Of The Workpiece (mm)	φ500
Distance Between Two Supports (mm)	60-550
Shaft diameter range at support (mm)	φ5-36
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ15-200
Balance Speed (R/min)	400~1400
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	0.18



YYQ-10A(GAS)

Features

- (1)The fully automatic program control amplification module is simple and easy to use.
- (2)Vector graphics, wave type and imbalance at the same time.
- (3)High efficiency, accurate accuracy, accuracy, intuitive, reliable quality, convenient maintenance and other characteristics.

Technical Parameters

Model	YYQ-10A
Max. mass of workpiece(kg)	0.3-10
Max.diameter of workpiece(mm)	Φ350
The distance between the two bearing (mm)	60-550
Max.rotor Diameter(mm)	Φ4-17
balancing speed(r/min)	400-3000
minimum achievable residual unbalance (g.mm/kg)	≤0.5
Unbalance rate %	≥90
Machine tool size	90*70*125cm
System	75*75*175cm



YYQ-16A

Features

- (1) It is widely applied in engine, wind motor, blower, diesel engine and auto parts and other range
- (2) It can balance and measure on single side, double side and many test sides, fit for axial, plate and gravity out-stretching roller.
- (3) turbo balancing machine has characteristics of high efficiency, correct precision, direct display, good quality, convenient maintenance and so on
- (4) the soft has both common work piece and standard roller special functions, avoid demarcate equipment non-automatically for customers who use other hard support balancing machine measure system

Technical Parameters

Device model	YYQ-16A
Workpiece weight Range (Kg)	0.3~16
The Maximum Diameter Of The Workpiece (mm)	φ500
Distance Between Two Supports (mm)	60-550
Shaft diameter range at support (mm)	φ5-36
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ15-200
Balance Speed (R/min)	400~1400
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	0.18



YYQ-50A

Features

1. Industrial control computer 19" LCD color screens
2. Supports Chinese and English system double choice
3. With GB-2000 general microcomputer balance measuring system
4. Automatic program-controlled amplifier module
5. Any workpiece scaling function, arbitrary Angle clamp compensating and workpiece information storage
6. Qualified quantity showed that adjustment function measurement cycle
7. Signal amplifier amplification and manual adjustment, signal self-check, automatic diagnosis
8. Vector graphics, waveform and out of balance, shows at the same time
9. Surplus balancing g and unbalanced torque, the g cm, g mm can choose to display

Technical Parameters

Device model	YYQ-50A
Workpiece weight Range (Kg)	1~50
The Maximum Diameter Of The Workpiece (mm)	φ900
Distance Between Two Supports (mm)	100-800
Shaft diameter range at support (mm)	φ10-90
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ30-300
Balance Speed (R/min)	300~1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	1.5
Speed mode	Variable frequency motor
Bed base size	1m*540*260mm



YYQ-100S

Features

Testing equipment YYQ-100S crankshaft rotor dynamic balancing machine
General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using semi hard bearing, belt driven, screen display structure, industrial control computer processing the data. 19 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single interface, suited for plate work-piece, center of gravity overhung rotor.

Technical Parameters

Model	YYQ-100S
Max. mass of workpiece(kg)	2-100
Max.diameter of workpiece(mm)	Φ900
The distance between the two bearing (mm)	100-1000
Max.rotor Diameter(mm)	Φ10-90
balancing speed(r/min)	200-1500
minimum achievable residual unbalance (g.mm/kg)	≤0.5
Unbalance rate %	≥90



YYQ-160A

Features

It is widely used in motor, blower, diesel engine, agricultural machinery, textile machinery and other industries. It can measure the balance on one side, two sides and multiple calibration surfaces. Suitable for shafts, discs and rotors with outstretched center of gravity. It has the characteristics of high efficiency, accurate precision, intuitive display, reliable quality and convenient maintenance.

Technical Parameters

Device model	YYQ-160A
Workpiece weight Range (Kg)	2~160
The Maximum Diameter Of The Workpiece (mm)	φ1200
Distance Between Two Supports (mm)	100- 1300
Shaft diameter range at support (mm)	φ10-90 (φ90- 180)
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ30-300
Balance Speed (R/min)	300~1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	1.5
Speed mode	Variable frequency motor
Bed base size	1.5m*540*260mm



YYQ-200S

Features

General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using semi hard bearing, belt driven, screen display structure, industrial control computer processing the data. 19 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single interface, suited for plate work-piece, center of gravity overhung rotor.

Technical Parameters

Model	YYQ-200S
weight of work-piece (kg)	2-200
Max diameter of work-piece (mm)	φ1000
Max diameter of scope of driving belt(mm)	φ300
Max distance between two swing frame center(mm)	1000
Length of lathe bed(mm)	1200
Journal diameter scope of work-piece(mm)	φ10-90(standard bearing roller frame)
Min achievable residual unbalance amount(gmm/kg)	≤0.5
Unbalance reduction ratio(%)	≥90
Rotating speed(r/min)	200-1500
Motor power(kw)	1.5
Drive mode	belt driven



YYQ-300A

Features

This series of equipment is hard support horizontal dynamic balance machine, with roller bearing, gimbal couplings drive, routine for double-speed motor drive, "A" type for variable frequency speed regulation system, an industrial control computer data processing LCD monitor real-time display imbalance, value, phase Angle and real-time speed, and lathe bed are integrally cast. Widely used in motor, blower, diesel engine, agricultural machinery, textile machinery and other industries, can be in the single side, double side and multiple correction plane balance measurement. Suitable for axle plate type and the barycenter overhanging rotor. With high efficiency and precision accurate, show intuitional, reliable quality, convenient maintenance characteristic.

Technical Parameters

Device model	YYQ-300A
Workpiece weight Range (Kg)	5~300
The Maximum Diameter Of The Workpiece (mm)	φ1500
Distance Between Two Supports (mm)	150-1500
Shaft diameter range at support (mm)	φ10-90 (φ90- 180)
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ40-450
Balance Speed (R/min)	300~1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	4
Speed mode	Variable frequency motor
Bed base size	1.8m*820*270mm



YYQ-300S

Features:

General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using semi hard bearing, belt driven, screen display structure, industrial control computer processing the data. 19 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single interface, suited for plate work-piece, center of gravity overhung rotor.

Technical Parameters

Model	YYQ-300S
Max. mass of workpiece(kg)	5-300
Max.diameter of workpiece(mm)	Φ1200
The distance between the two bearing (mm)	150-1500
Max.rotor Diameter(mm)	Φ20-90
balancing speed(r/min)	200-1500
minimum achievable residual unbalance (g.mm/kg)	≤0.5
Unbalance rate %	≥90
Drive power(kw)	4.0



YYQ-500S

Features:

General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using semi hard bearing, belt driven, screen display structure, industrial control computer processing the data. 15 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single interface, suited for plate work-piece, center of gravity overhung rotor.

Technical Parameters

Model	YYQ-500S
Max. mass of workpiece(kg)	10-500
Max.diameter of workpiece(mm)	Φ1500
The distance between the two bearing (mm)	150-1500
Max.rotor Diameter(mm)	Φ20-120
	Φ120-240
balancing speed(r/min)	300-1500
minimum achievable residual unbalance (g.mm/kg)	≤0.5
Unbalance rate %	≥90
Drive power(kw)	4.0



YYQ-1000A

Features:

This series of equipment is hard support horizontal dynamic balance machine, with roller bearing, gimbal couplings drive, routine for double-speed motor drive, "A" type for variable frequency speed regulation system, an industrial control computer data processing LCD monitor real-time display imbalance, value, phase Angle and real-time speed, and lathe bed are integrally cast. Widely used in motor, blower, diesel engine, agricultural machinery, textile machinery and other industries, can be in the single side, double side and multiple correction plane balance measurement. Suitable for axle plate type and the barycenter overhanging rotor. With high efficiency and precision accurate, show intuitional, reliable quality, convenient maintenance characteristic.

Technical Parameters

Device model	YYQ-1000A
Workpiece weight Range (Kg)	10~1000
The Maximum Diameter Of The Workpiece (mm)	φ1800
Distance Between Two Supports (mm)	150-2600
Shaft diameter range at support (mm)	φ20-120 (φ120- 240)
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ40-650
Balance Speed (R/min)	300~1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	5.5
Speed mode	Variable frequency motor
Bed base size	2.9m*820*270mm



YYQ-8000A

Features:

The YYQ series balancing machine is a universal hard-supported dynamic balancing machine produced by our company. It is organized and produced in strict accordance with GB/T4201-2006. All of them are supported by rollers, driven by universal couplings, ring belts, etc., and industrial control computers are used for data processing. , 19-inch LCD screen display: imbalance, phase angle and real-time speed. The software adopts GB-2000 general-purpose microcomputer balance measurement system, runs under windows, fully automatic program-controlled amplification module, simple operation and convenient use. Vector graphics, waveform and unbalanced amount are displayed at the same time. It has the characteristics of high efficiency, accurate precision, intuitive display, reliable quality and convenient maintenance. It can realize arbitrary input of parameters, arbitrary calibration, arbitrary angle fixture compensation, self-check, qualified quantity prompt, remaining unbalance g and unbalance torque g.cm, g.mm multiple display modes, automatic storage of measurement results, operation of all menu structures , Automatically prompt.

Technical Parameters

Device model	YYQ-8000A
Workpiece weight Range (Kg)	300~8000
The Maximum Diameter Of The Workpiece (mm)	φ 2000
Distance Between Two Supports (mm)	300-3000
Shaft diameter range at support (mm)	φ50-200 φ200-360
The Diameter Range Of The Dragging Part Of The Ring Belt (mm)	φ40-1000
Balance Speed (R/min)	300~1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤0.5
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	22
Speed mode	Variable frequency motor
Bed base size	3.4m*900*270mm



3. Universal joint balancing machine



YYW-300A

Technical Parameters

Device model	YYW-300A
Workpiece weight Range (Kg)	10-300
The Maximum Diameter Of The Workpiece (mm)	φ 1200
Distance Between Two Supports (mm)	60-1700
Shaft diameter range at support (mm)	φ 10-90 (φ 90-180)
Balance Speed (R/min)	300-1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤1
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	5.5
Speed mode	Frequency
Bed base size	2.9m*820*270mm



YYW-500A

Technical Parameters

Device model	YYW-500A
Workpiece weight Range (Kg)	20-500
The Maximum Diameter Of The Workpiece (mm)	φ 1500
Distance Between Two Supports (mm)	70-1600
Shaft diameter range at support (mm)	φ 20-120 (φ 120-240)
Balance Speed (R/min)	300-1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤1
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	5.5
Speed mode	Frequency
Bed base size	2.9m*820*270mm



YYW-1000A

Features:

This series of equipment is hard support horizontal dynamic balance machine, with roller bearing, gimbal couplings drive, routine for double-speed motor drive, "A" type for variable frequency speed regulation system, an industrial control computer data processing LCD monitor real-time display imbalance, value, phase Angle and real-time speed, and lathe bed are integrally cast. Widely used in motor, blower, diesel engine, agricultural machinery, textile machinery and other industries, can be in the single side, double side and multiple correction plane balance measurement. Suitable for axle plate type and the barycenter overhanging rotor. With high efficiency and precision accurate, show intuitional, reliable quality, convenient maintenance characteristic.

Technical Parameters

Device model	YYW-1000A
Workpiece weight Range (Kg)	20-1000
The Maximum Diameter Of The Workpiece (mm)	φ 1500
Distance Between Two Supports (mm)	70-2300
Shaft diameter range at support (mm)	φ 20-120 (φ 120-240)
Balance Speed (R/min)	300-1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤1
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	7.5
Speed mode	Frequency
Bed base size	3.6m*820*270mm



YYW-1600A

Technical Parameters

Device model	YYW-1600A
Workpiece weight Range (Kg)	30-1600
The Maximum Diameter Of The Workpiece (mm)	φ 1800
Distance Between Two Supports (mm)	100-2300
Shaft diameter range at support (mm)	φ 20-120 (φ 120-240)
Balance Speed (R/min)	300-1500
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤1
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	11
Speed mode	Frequency
Bed base size	3.6m*820*270mm



YYW-3000A

Technical Parameters

Device model	YYW-3000A
Workpiece weight Range (Kg)	50-3000
The Maximum Diameter Of The Workpiece (mm)	φ 2000
Distance Between Two Supports (mm)	300-3000
Shaft diameter range at support (mm)	φ20-120 φ 120-240
Balance Speed (R/min)	110-1170
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤1
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	11
Speed mode	Frequency adjustment + four-speed mechanical transmission
Bed base size	4.3m*820*270mm



YYW-5000A

Technical Parameters

Device model	YYW-5000A
Workpiece weight Range (Kg)	200-5000
The Maximum Diameter Of The Workpiece (mm)	φ 2400
Distance Between Two Supports (mm)	340-2960
Shaft diameter range at support (mm)	φ 40-180 φ 180-300
Balance Speed (R/min)	110-1170
The Minimum Achievable Residual Unbalance (G .mm/kg)	≤1
Unbalance Reduction Rate(%)	≥90
Motor Power (Kw)	18.5
Speed mode	Frequency conversion speed regulation + four-speed mechanical speed change
Bed base size	4.3m*820*270mm



YYW-K5S

Features:

General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using roller bearing, universal joint driven, screen display structure, industrial control computer processing the data. 19 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single, double, multifaceted interface, suited for large axle, plate, center of gravity overhung rotor.

Technical Parameters

Model	YYW-K5S
Max. mass of workpiece(kg)	300-5000
Max.diameter of workpiece(mm)	Φ2400
The distance between the two bearing (mm)	340-3100
Max.rotor Diameter(mm)	Φ20-150 Φ180-300
balancing speed(r/min)	110-1170
minimum achievable residual unbalance (g.mm/kg)	≤1
Unbalance rate %	≥90



YYW-K10S

Features:

General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using roller bearing, universal joint driven, screen display structure, industrial control computer processing the data. 19 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single, double, multifaceted interface, suited for large axle, plate, center of gravity overhung rotor.

Technical Parameters

Model	YYW-K10S
Max. mass of workpiece(kg)	500-10000
Max.diameter of workpiece(mm)	Φ2400
The distance between the two bearing (mm)	340-3100
Max.rotor Diameter(mm)	Φ40-200 Φ180-360
balancing speed(r/min)	110-1170
minimum achievable residual unbalance (g.mm/kg)	≤1
Unbalance rate %	≥90



YYW-K30S

Features:

General hard bearing dynamic balancing machine strictly according to GB/T 4201-2006 to produce, using roller bearing, universal joint driven, screen display structure, industrial control computer processing the data. 19 inches LCD screen display unbalance amount, phase angle and real-time rotating speed. It is widely used in paper making machine, textile machine, agriculture machine, electric motor, blower fan, etc, can measuring balance on single, double, multifaceted interface, suited for large axle, plate, center of gravity overhung rotor.

Technical Parameters

Model	YYW-K30S
Max. mass of workpiece(kg)	500-30000
Max.diameter of workpiece(mm)	Φ2800
The distance between the two bearing (mm)	340-3100
Max.rotor Diameter(mm)	Φ50-260 Φ240-500
balancing speed(r/min)	110-1170
minimum achievable residual unbalance (g.mm/kg)	≤1
Unbalance rate %	≥90



4.Fan special balancing machine



YFW-1600A

Features:

Widely used fan, blower, etc, can be in the single side, double side and multiple correction plane balance measurement. Have high efficiency, precision accurate, show intuitional, reliable quality, easy maintenance, the characteristics of software with ordinary workpiece and standard rotor two calibration function, overcoming the other hard supporting balance machine measurement system to users to calibration equipment defects, and the coupling compensation function and so on many kinds of measuring method and function to choose, can realize the input parameters, preview, the experiment, the results storage, print, operating all adopt the localization menu structure, the man-machine dialogue, automatic hints.

Technical Parameters

Model	YFW-1600A
Max. mass of workpiece(kg)	30-1600
Max.diameter of workpiece(mm)	Φ2000
The distance between the two bearing (mm)	300-1600
Max.rotor Diameter(mm)	Φ20-120 (Φ120-240optional)
balancing speed(r/min)	300-1500 Stepless
minimum achievable residual unbalance (g.mm/kg)	≤0.5
Unbalance rate %	≥90
Power (kw)	11
Speed drive way	Frequency speed



YFW-3000

Technical Parameters

Model	YFW-3000A
Max. mass of workpiece(kg)	100-3000
Max.diameter of workpiece(mm)	Φ3000
The distance between the two bearing (mm)	300-3000
Max.rotor Diameter(mm)	Φ40-180, Φ180-300
balancing speed(r/min)	110-1170 Stepless
minimum achievable residual unbalance (g.mm/kg)	≤0.5
Unbalance rate %	≥90
Power (kw)	30
Speed drive way	Frequency + fourth gear mechanical transmission
Machine tool size	445*95*175cm
System	75*75*175cm

5. Dual drive balancing machine



YYH-160A

Technical Parameters

Device model	YYH-160A	
drive mode	universal joint	Belt way
Workpiece mass range (kg)	5-160	2-160
Maximum diameter of workpiece (mm)	Φ950	
Diameter range of belt dragging place (mm)	/	Φ30-300
Distance between two supports (mm)	60-1420	100-1420
Bed length (mm)	2400*540*260 (bed shared)	
Swing structure	Overall swing frame, roller cantilever support (shared by swing frame)	
Support shaft diameter (mm)	10-90 (shared with roller frame)	
Balance speed (r/min)	300-1100	300-2500 (Drag φ110)
Minimum residual unbalance	≤1gmm/kg	≤0.5gmm/kg
Imbalance reduction rate (%)	≥90%	≥90%
Motor Power	2.2KW	1.5KW
Speed mode	Frequency conversion speed regulation (one control cabinet controls two drive modes respectively)	
transfer method	universal joint	ring belt
Mechanical part size (L*W*H)	2400*800*1000	



YYH-3000A

Technical Parameters

Device model	YYH-3000A	
Drive method	Universal joint method	Way of circulation
Workpiece mass range kg	100-3000	100-3000
Maximum diameter of workpiece mm	Φ2400	Φ2400
Diameter range of ring belt dragging place mm	/	Φ200-1000
Distance between two supports mm	300-3000	500-3000
Bed length mm	4300	
Swing frame structure	Modular structure, roller H-shaped support, shared by swing frame	
Support shaft diameter mm	Φ40-180, Φ180-300	
Balance speed r/min	200-1140	200-1500 (When the drag position of the circle belt is Φ300)
Minimum residual unbalance	≤1gmm/kg	≤0.5gmm/kg
Unbalance reduction rate%	≥95%	≥95%
Motor Power	11KW	7.5KW
Speed mode	Frequency conversion speed regulation + four-speed mechanical transmission	Frequency conversion speed regulation
transfer method	Universal joint	Loop belt
Overall size (length*width*height)	4500*1420*1800	



6. Drive shaft balancing machine



BDB-100A

Technical Parameters

Model	BDB-100A
The measuring time	10s (measurement cycle can be arbitrary set).
Software version	Windows XP
display mode	19 inch LCD
power supply	The power of three-phase four-wire type AC 380V, 50/60HZ
Working	continuously
Workpiece quality range (Kg)	5-100
Beam supporting interval distance (mm)	100-2800
Workpiece diameter (mm)	950
Balance speed (r/min)	300-2500 variable frequency speed regulation
Motor power (KW)	2.2
Unbalance reduction rate%	≤90
Minimum can reach surplus balabcing (emar)	≤1g · mm/kg



BDB-200A

Technical Parameters

MODEL	BDB-200A
Max.mass of workpiece(kg)	200Kg
Max.length of workpiece(mm)	2400mm
Balancing speed min(r/min)	900-3600rpm
Min.achievable residual unbalance(g.cm/kg)	≤ 20 gcm
Unbalance reduction ration(%)	$\geq 85\%$
Drive Power	4 kw
Speed Mode	Frequency conversion



7.Single Side Vertical Balancing Machine



YLD-5A

Technical Parameters

Model	YLD-5A
Max. mass of workpiece(kg)	0.1-5
Max.diameter of workpiece(mm)	Φ500
balancing speed(r/min)	250-1500
minimum achievable residual unbalance (g.mm/kg)	≤3
Unbalance rate %	≥90
Power (kw)	1.1
Speed drive way	Frequency



YLD-16Q

Technical Parameters

Device model	YLD-16Q
Workers quality range kg	0.5-16
Balancing speed r/min	100-1100
Minimum residual unbalance	≤1gmm/kg
Minimum display unit of unbalance	0.01g
Minimum unit of unbalance angle	1°
Reduction rate of unbalance%	≥90%
Motor power	1.1KW
Speed mode	frequency control
transfer method	Multi wedge belt drive
Overall size (length * width * height)	900*600*750



YLD-20S

Technical Parameters

Device model	YLD-20S
weight of work-piece (kg)	1-20
Max diameter of work-piece (mm)	ϕ 500
Min achievable residual unbalance amount(gmm/kg)	≤ 3
Unbalance reduction ratio(%)	≥ 90
Rotating speed(r/min)	200-1500
Motor power(kw)	1.1KW
Drive mode	V-ribbed belt driven



YLD-100A

Technical Parameters

Model	YLD-100A
Max. mass of workpiece(kg)	5-100
Max.diameter of workpiece(mm)	Φ800
balancing speed(r/min)	250-1500
minimum achievable residual unbalance (g.mm/kg)	≤3
Unbalance rate %	≥90
Power (kw)	4
Speed drive way	Frequency



8. Automatic Vertical Balancing Machine



AB-660

Technical Parameters

Model	AB-660
measure time	10s(The measurement cycle can be set at will)
Software version	Windows XP
Display method	19 -inch LCD display
power supply	380V,50HZ
Way of working	Continuously
The largest quality of workpieces (Kg)	20
Workpiece diameter (mm)	400
Balancing speed (r/min)	≤800
Subdivy servo motor power Kw	3
Unbalance reduction rate%	≥90
The smallest achievable residual unbalance (emar)	≤3g · mm/kg

9. Automatic balancing machine



ABML-50CX

Features:

This automatic balancing machine is mainly used for continuous dynamic balance measurement of various brake discs, milling to remove weight, and dynamic balance retest. It has strong applicability, which can be used for mass production or single-piece inspection.

Technical Parameters

Model	ABML-50CX
Maximum diameter of balance correction workpiece	Φ500mm
Diameter of milling workpiece	Φ200-Φ500mm
Workpiece positioning hole diameter	Φ80-Φ250mm
The maximum height of the workpiece	180mm
Balance speed	200-1500rpm (servo control)
Main motor power	3kW (servo motor)
Unbalance reduction rate	≥95%; (standard rotor)
Phase error of unbalance	≤±2°



10. Cross flow fan blade dynamic balancing machine



YYQ-10GLS

Features:

The general hard support dynamic balancing machine is organized and produced in strict accordance with GB/T 4 2 0 1-2006. It adopts semi-hard support, belt drive, screen display structure, industrial control computer for data processing, 19-inch LCD screen display: imbalance and phase Angle and real-time speed, widely used in papermaking machinery, textile machinery, agricultural machinery, electric motors, blowers and other industries; can be balanced on one side, suitable for discs and rotors with outstretched center of gravity.

Technical Parameters

Model	YYQ-10GLS
Workpiece quality range (KG)	1-20kg
Maximum rotating diameter of workpiece (mm)	φ400
The maximum diameter of the dragging part of the ring belt (mm)	φ150
The maximum height of the workpiece	180mm
Length of bed (mm)	1200mm
Balance reduction rate (%)	≥90
Balance speed (r/min)	200-1500
Motor power (KW)	0.18kw
Transmission mode:	ring belt drag
Working environment	temperature -5℃--45℃; humidity 0-85%

Our factory



