Drive Shaft Balancer

This series balancing machine utilizes a frequency motor drive and belt drive for two-side balancing. The system, which includes an industrial control computer and cabinet, allows for easy workpiece installation and balancing of various car drive shafts.

Overview

High-Precision YDB Series Drive Shaft Balancers

The YDB Series consists of hard-bearing balancing machines designed for high-precision testing of automotive drive shafts. Utilizing a frequency motor and belt drive system, these machines support two-side balancing with exceptional accuracy. They are equipped with industrial control computers and specialized RYW or YYW testing systems, making them ideal for both high-volume batch production and versatile multi-workpiece balancing tasks.

Key Performance Metrics

Performance Highlights

85 %	5 g.mm/kg	3200 mm
Min. Unbalance Reduction Ratio	Min. Achievable Residual Unbalance	Max. Support Length

Technical Specifications

Model Comparison

Specification	YDB-50A	YDB-100A	YDB-200A	YDB-300A
Max. Weight (kg)	50	100	200	300
Max. Diameter (mm)	160	180	220	240
Max. Length (mm)	3050	3050	3150	3200
Balancing Speed (rpm)	900/1800	900/1800	500-3600	500-3600
Motor Power (kw)	0.8/1.1	2/2.4	4	4.5

Speed Adjustment Type	Frequency

System Features

Drive & Control

- Hard bearing support system
- Frequency motor drive
- Belt drive mechanism
- Industrial control computer integration
- Adjustable clamps for various workpiece types

Operational Benefits

High Precision • Easy to Operate • Durable Construction • Versatile Clamping

Available Test Systems	RYW (Batch Balance), YYW (Multi-Workpiece)

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