

# 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 %**

Min. Unbalance Reduction Ratio

**5 g.mm/kg**

Min. Achievable Residual Unbalance

**3200 mm**

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)