

TECHNOCRATICS (PVT) LIMITED

Belt Drive Balancing Machine

Key Features

- High-precision horizontal belt-drive dynamic balancing machine with hard-bearing structure
- Ring-belt-drive system for stable rotation and accurate unbalance detection
- VFD-controlled variable speed for smooth and safe operation
- Fast measurement, low vibration, and long service life

Technical Specifications

Machine Type: Horizontal belt-drive dynamic balancing machine

Bearing Type: Hard-bearing

Drive Method: Ring-belt (endless rubber / silk belt)

Balancing Planes: Single plane / Dual plane

Maximum Rotor Weight: Up to 6000 kg

Rotor Diameter Range: As per rotor design (customizable)

Distance Between Supports: Customizable

Balancing Accuracy: < 6.2.5 (ISO 19400, achievable depending on rotor)

Minimum Achievable Residual Unbalance: High precision (μm -level, application dependent)

Rotor Surface Requirement: Smooth cylindrical surface (for belt contact)

Display System: Microcomputer digital display / Computer-based system

Speed Control: Frequency inverter (VFD controlled)

Operating Speed: Variable, adjustable via VFD

Display Parameters: Unbalance value, phase angle

Correction Method: Trial weight method

Power Supply: 380–415 V, 50/60 Hz, 3-phase (customizable)

Machine Structure: Heavy-duty fabricated base

Installation: Workshop / production line

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