Product name:	Product code:
Alloy Wheel Rotary Bending Fatigue Testing Machine	CMI-IND-0401



Description

Rotating-bending fatigue rig that applies a cyclic moment to car and two-wheeler alloy wheels until crack or set life. Used by wheel foundries and OEM validation labs.

Technical specification

Counter	8 digit preset
Drive	11 kW, 3 phase motor with VFD
Standards	SAE J328, IS 9438, ISO 3006
Power	415 V, 3 phase, 50 Hz

Standard Accessories

- Mounting adapter set
- Load arm assembly
- Strain gauge calibration kit

The wheel is clamped on its mounting face while a loaded arm rotates, imposing a fully reversed bending moment on the rim and disc. Cycle count and deflection are monitored, and the machine stops automatically when stiffness falls by a set percentage or a crack grows.

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Features

- Fixed rotating loading arm with adjustable moment
- Wheel mounting plate with bolt circle adapters
- Cycle counter with automatic stop on deflection drop
- Variable speed drive from 500 to 1500 rpm
- Heavy frame with vibration isolation feet

Technical Specifications

Wheel size	Up to 24 inch diameter, 12 inch width
Bending moment	Up to 5000 N-m
Test speed	500 to 1500 rpm
Moment accuracy	+/- 1 percent