

2026 Dynamic Balancing & Automatic Straightening Machinery Specification Catalog

Company & Quality Overview

Founded in 2004 and listed on the Shenzhen Stock Exchange (Ticker: 300553), JIZHI is a global tier-1 manufacturer of dynamic balancing machines, automated correction lines, and laser shaft straighteners. With over 50,000 m2 of manufacturing infrastructure and a CNAS-accredited metrology calibration laboratory, JIZHI machines adhere to ISO 21940-11, DIN 45690, and CE Machinery Directive standards.

Standard Production Machine Matrix

Model Series	Application Field	Rotor Mass (kg)	Balancing Speed	Achievable Residual Unbalance	Cycle Time
JZ-EV-2026	EV Traction Motor Rotor	1.0 - 50.0 kg	800 - 3,500 RPM	<= 0.05 g·mm/kg (ISO G0.4)	<= 18 sec/pc
JZ-TB-500	Turbocharger Impeller	0.05 - 2.0 kg	15,000 - 180,000 RPM	<= 0.01 g·mm/kg (ISO G0.4)	<= 12 sec/pc
JZ-AR-5ST	Armature / Micro Motor	0.02 - 1.5 kg	1,500 - 5,000 RPM	<= 0.1 g·mm/kg (ISO G1.0)	<= 3.8 sec/pc
JZ-LS-80	Laser Shaft Straightener	0.5 - 30.0 kg	Optical Contactless	Straightness <= 0.003 mm	<= 15 sec/pc
JZ-AERO-PIT	Aerospace Turbine Disc	5.0 - 500.0 kg	500 - 15,000 RPM	<= 0.03 g·mm/kg (ISO G0.4)	Custom Recipe

Factory Acceptance Test (FAT) & Validation Protocols

All JIZHI automated cells include: (1) 100% Cpk >= 1.67 repeatability validation with master verification rotors; (2) Remote Real-Time Video FAT witnessing with high-speed telemetry log streaming; (3) Pre-shipment seawater vapor-proof barrier packaging with desiccant hermetic sealing; (4) Worldwide commissioning support within 24-48 hours via authorized regional technical hubs.

International Export Desk & Support

Official Inquiry Email: inquiry@jizhi-global.com | WhatsApp Global Desk: +86 180 5881 6668
Headquarters: JIZHI Mechatronic Industrial Park, Hangzhou, Zhejiang, China 310000
North America Desk: na.desk@jizhi-global.com | Europe Desk: eu.desk@jizhi-global.com