

**Automate Quality Inspection
with Artificial Intelligence.**

MUSASHI^{AI}

Automated Shaft Inspector



Easy Integration

Easy integration with existing production layout and equipment.

Superior Inspection

Improved inspection accuracy, consistency and reliability. Fewer customer complaints or recalls.

Quick ROI

Fully automated solution capable of 24hr/7 days per week runtime. Lower direct inspection costs.

Eliminate Non-Value Add Activities



Manual inspection is highly repetitive, straining and resource consuming negatively impacting organizational productivity.

Variants

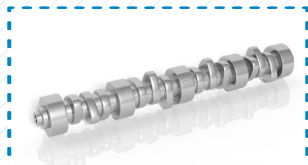


- Fully customisable
- In-line or end-of-line integration

AI Visual Inspection Equipment for Symmetrical Parts



Parts



Camshafts



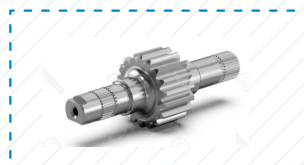
Balance Shaft



Crankshafts



Drive Shaft



Spline Shaft

■ Maximum Part Dimensions:

Diameter 20-160mm

Length 100-600mm

Weight 200-4000gr

Adaptable to other sizes

	Item	Specifications
Imaging	Camera	Area Scan (Baslar, IDS, Baumer, etc)
	Camera Resolution	2.3MP or Higher Resolution
	Defection Capabilites	Defects up to 0.05mm
	Lighting	Tunnel, Ring or Dome
	AI Accuracy	Training Images Required (100OK/250 NG) 100% NG Detection Rate, less than 5% Overdetection Rate
Machine Dimensions	Total Length	1500mm (Includes control panel)
	Full Width	1500 mm
	Total Height	2045 mm
Machine Specifications	Maximum Worksize	D- 20mm:160mm, L- 100mm:~600mm, Adaptable
	Axis of Rotation	Endless Expression
	Conveyance System	Indexed Rotating Table
	Operation Panel	Touch Panel and Monitor
	Camera Adjustment	Electrical Adjustment Unit
	Control System	Keyence Controls
	Safety Device	Emergency Stop Button, Safety Sensors
	Indicator Light	LED (Green, Yellow, Red), Buzzer
	Cover	Industrially Designed Equipment Cover
	Weight	Approximately 965kgs
	Power Supply	3 Phase 200-220 VAC 60 Hz

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