

## ADCOLE

911

Automated Metrology Solution

MODEL 911



Recognized as the "gauge of record" for the past 40 years, the **Adcole Model 911** helps organizations improve part quality, reduce scrap, and increase manufacturing efficiency. The gage is available in 609mm (24"), 914mm (36"), 1524mm (60"), 2286mm (90"), 2667mm (105") part capacities, offering an automated metrology solution for every manufacturing need. The versatile 911 gage is ready for use on the shop floor and the quality control lab.

### The Model 911 is ideal for measuring features on:

- EV Rotor Drive and Output Shafts
- Balance & Eccentric Shafts
- Automotive and Diesel Engine Camshafts
- Transmission Shafts
- Robotic Reducer Shafts
- Compressor Shafts
- Pistons
- Precision Hydraulic Cylinders
- Other Precise Cylindrical Parts

### Features:

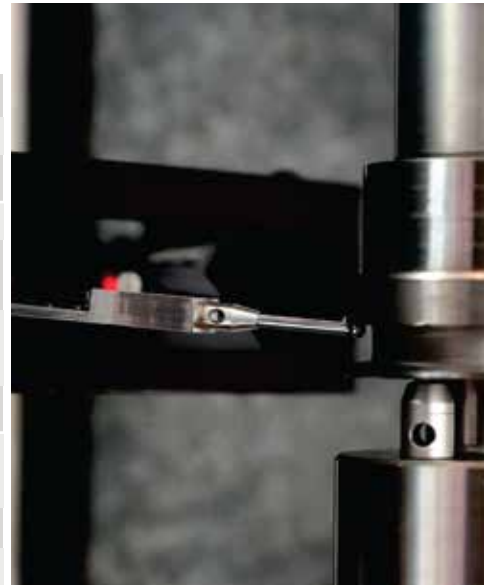
- Provides 3,600 data points per revolution (every 1/10 of a degree)
- Measures a typical 4-cylinder camshaft in an average of 4 minutes
- Accommodates a wide range of part lengths using an adjustable tailstock
- Includes diagnostic routines and part identification capabilities for improved ease-of-use
- Optional high speed upgrade kit is available for the Model 911 gage.
- Optional overhead light stack is available to monitor gage status such as Go/No-Go that shows pass/fail of the part

### Benefits:

- Offers fast cycle times and rapid part evaluation
- Reduces labor and material costs with superior gage accuracy and reliability
- Eliminates operator error with one button testing, concise pass/fail inspection reports, and more
- Measures multiple part types and complex geometries
- Provides numerical and graphical representation of complex metrology data
- Enables manufacturers to measure multiple part types using a flexible gage platform

# Model 911 Gage Specifications

<b>Accuracy Specifications</b>	Radial Accuracy <sup>i</sup>	± 0.5 µm
	Radial Resolution <sup>i</sup>	0.016 µm
	Angular Resolution	0.00001°
<b>General Specifications</b>	Axis of Rotation	Vertical
	Follower Travel	Radial 120mm- 155mm (4.72 – 6.10")
	Swing Diameter <sup>ii</sup>	190mm – 311mm (7.5- 12.25")
	Part Weight	341 kg (750 lb)
<b>Base Gage Dimensions</b>	Gage Height	2000mm – 3940mm (78.74 - 155.11")
	Gage Width	1072mm (42.20")
	Gage Depth	1180mm (46.45")



Parameters Supported		Model 911 Part Capacity Options
<ul style="list-style-type: none"> <li>• Angularity</li> <li>• Center Deviation (hourglass/barrel)</li> <li>• Concentricity</li> <li>• Diameter (LSC, 2-Point Max/Min)</li> <li>• Flatness</li> <li>• Lobing</li> <li>• Lobe Lift</li> <li>• Parallelism</li> <li>• Profile</li> <li>• Runout</li> </ul>	<ul style="list-style-type: none"> <li>• Taper</li> <li>• Chatter</li> <li>• Cylindricity</li> <li>• FFT Chatter</li> <li>• Length</li> <li>• Lobe Angle</li> <li>• Lobe Velocity</li> <li>• Perpendicularity</li> <li>• Roundness (Circularity)</li> <li>• Straightness</li> <li>• True Position</li> </ul>	<b>Part Length</b> 911-24: 583mm (23.0") 911-36: 888mm (35.0") 911-36WB: 993mm (39.1") 911-60: 1495mm (58.9") 911-60WB: 1473mm (58.0") 911-90: 2250mm (88.6") 911-90WB: 2248mm (88.5") 911-105: 2631mm (103.6")

## Adcole Machine Support

Adcole machine support is provided by a factory trained field service team that is backed by 50 years of industry experience and ISO 9000 certification. Machine and application support, machine retrofit and upgrade services, plus part inspection and gage recertification services are offered to our global customer base. Adcole's support regions include Japan, Korea, China, Brazil, Mexico, India, Europe and North America. Regular and after hours email and phone support is available 8am-11pm EST.

<sup>i</sup> Temperature 20±1 C°, Relative Humidity 40%-60%, Pressure 86KPa-106KPa.

<sup>ii</sup> Larger swing diameter is available in the Model 911 wide body gage. Ask your sales representative for details.