ADCOLE
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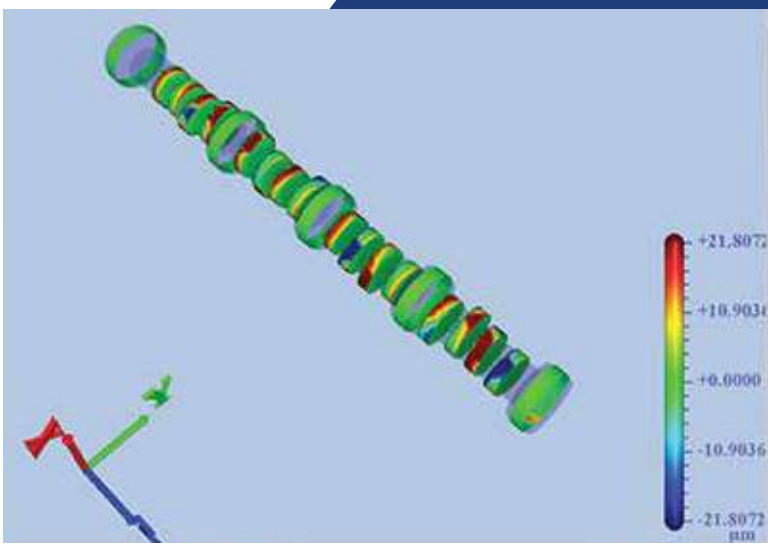
3D Color Map Software

Part Inspection Solution

3D Color Map



3D Color Map software enables users to troubleshoot production issues with graphical rendering of the part

The Adcole 3D Color Map software helps organizations improve their manufacturing process by quickly revealing defect, out-of-tolerance, and non-conformity issues often overlooked in standard audit measurements. 3D Color Map Software is engineered to enable users to fully error-map camshaft, crankshaft, camshaft tubes, pump rings, and spline components. The 3D inspection software tool reports roundness, profile, and size error run parameters, plus other parameters, on Adcole Corporation 911, 1100, 1100-GX, 1200-LX, 1200-SH, 1200-DH, and 1304 model gages.

3D Color Map software is ideal for measuring challenging features on:

- Camshafts
- Crankshafts
- Camshaft tubes
- Pump rings
- Spline components
- Cylindrical parts

Features:

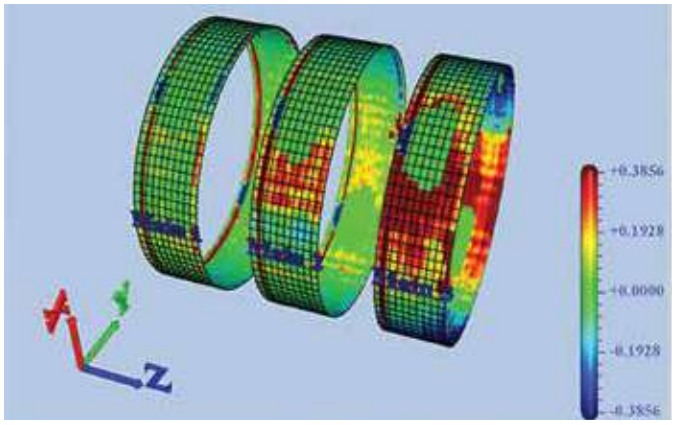
- Provides detailed analysis of data points at 1/10th degree resolution
- Identifies and diagnoses quality issues such as out of tolerance elements, using error data relative to part datum / nominal lift
- Zooms and pans the part with a superimposed error map, using 3D rotation capabilities
- Prints data analysis reports: part or element image appears on the report, with part summary, dimensions, calculated values for elements
- Shows any combination of error data plotting: roundness, radial, and eccentricity error data plotting

Benefits:

- Speeds inspection time and improves quality assurance performance, offering customized error data that is transparent and actionable
- Analyzes error data for the entire part, or for key part elements that are overlooked in standard part audit measurements, troubleshooting production issues with an intuitive and graphical rendering of the part
- Creates easy-to-read error data reports directly from the utility
- Offers a simple navigation tree that allows users to select journals and pins for detailed analysis, enabling engineers to study a full part or isolate journals, pins, lobes, or other areas of interest
- Provides the ability to display FFT Chatter over the entire surface of a journal or a lobe

3D Color Map Software Specifications

Operating System	32/64-bit versions of Windows 7 or above
CPU Type	Intel i5 processor 2.6 GHz with 4GB or equivalent
Graphics Hardware	On-board OpenGL support such as Intel HD Graphics
Monitor Resolution	1280 x1024
Adcole Gages Supported	911, 1100, 1100-GX, 1200-LX, 1200-SH, 1200-DH, 1304



Crankshaft journal mapping feature provides the ability to display FFT Chatter over the entire surface of a journal or a lobe

Parameters Supported

- Cam Lobe Lift Error
- Chatter
- Cylindricity
- Profile
- Roundness
- Center Deviation
- Concentricity
- Diameter
- Runout
- Taper

Adcole Software Support

Adcole software support is provided by an expert software engineering team that is backed by 50 years of industry experience and ISO 9000:2015 annual certification. Software support, software upgrade services, custom software services and training are offered to our global customer base. Regular and after hours email and phone support is available 8am-6 pm EST.

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