correlated SOLUTIONS

VIC-3D 10

Taking Digital Image Correlation to the Next Level

Correlated Solutions is proud to announce the release of VIC-3D 10, an unparalleled DIC workspace with features designed specifically to facilitate 3D data analysis and visualization. Building on *iris*, the data visualization engine introduced in Version 9, the all-new VIC-3D 10 delivers a range of new capabilities that broaden DIC's scope for FFT projects, FEA validation, and integrated stress analysis. In addition, the *iris* workspace has been significantly updated to provide even more flexibility and functionality to display your DIC analysis clearly and professionally. Contact our Sales Team today to discuss your application and to learn more about a limited-time update offer.

New Features in VIC-3D 10

Frequency Response Functionality

New frequency response function measurements integrate force input data with a powerful FFT module for complete response analysis.

Expanded FEA Validation

In conjunction with FE simulations in Abaqus™ & Ansys™, users can now more effectively and efficiently validate FEA results.

FFT Vibration Visualization

New FFT vibration visualization in *iris* allows for in-plane & out-of-plane ODS to be displayed in stunning, high-resolution graphics.

Virtual Strain Gauge Analysis

New VSG analysis tool automates & streamlines the determination of optimal VSG size in accordance with the DIC Good Practices Guide.

Integrated Stress Analysis

Stress of Al 6061-T6 tensile specimen

Integrated stress analyzer converts strain history to stress with models defined through a dialog or through JSON files.

DIC workspace improvements,
iris updates & more, now in VIC-3D 10

- Import extractions, image & data sequences from other projects for direct comparison and improved visualization
- Improved visualization of extracted data on 2D and 3D plots
- Multiple *iris* documents in a single project
- Customizable color maps for contour plots
- Improved data probing in 2D and 3D plots
- Improved data extraction facilities
- Improved unit management for all variables
- New global preferences dialog for report documents, 2D & 3D plots, graphs, and more
- FFT data may be exported in Universal File Format (UNV)
- Support for the newest 64+ core processors enabling analysis at over 1,000,000 points per second
- Updated Python module to support latest Python versions
- Updated VIC-Snap Remote App for Android platform
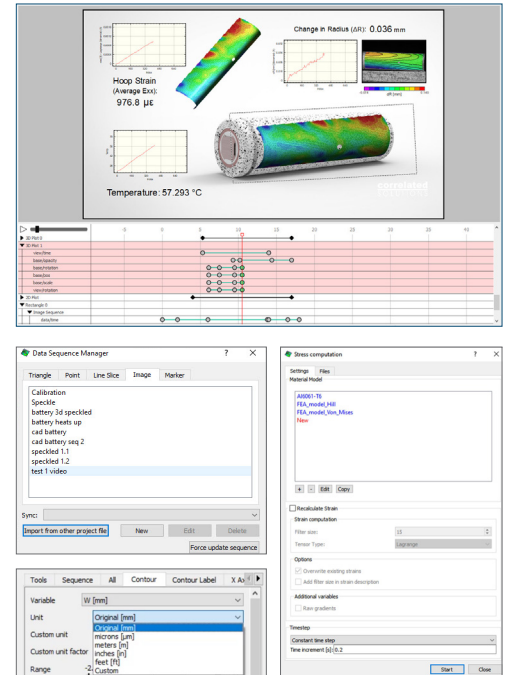
We invite you to visit our website for details on the powerful new VIC-3D 10 software, a range of new hardware, and a special, limited time upgrade offer!
correlatedsolutions.com

	VIC-3D LS	VIC-3D QX	VIC-3D HS	VIC-3D UHS
Camera Resolution	2.3 MP - 45 MP	12.3 MP	Up to 4 MP	400 x 250 pixels
Frame Rate	400 Hz - 16 Hz	Up to 335 Hz	Up to 500 KHz *	Up to 5 MHz **
In-Plane Resolution	1/200,000 • FOV	1/200,000 • FOV	1/100,000 • FOV	1/50,000 • FOV
Out-of-Plane Resolution	1/100,000 • FOV	1/100,000 • FOV	1/50,000 • FOV	1/25,000 • FOV
Strain Resolution	down to 10 με			
Strain Range	from 0.005% to > 2,000%			
Analog Data Recording	Up to 32 inputs	Up to 16 inputs	8 inputs	10 MS/s / 4 inputs
Full-field Real-Time Analysis	Yes, up to 10 Hz	Yes, up to 10 Hz	n/a	n/a
VIC-Gauge 3D Real-Time Analysis (output of points, gauges, extensonmeters, etc.)	Yes, up to 200 Hz Up to 4 real-time analog outputs	Yes, up to 200 Hz Up to 4 real-time analog outputs	n/a	n/a
FFT Module	Available with VIC-3D Fatigue & Vibration Module	Available	Available	n/a

*Achievable at reduced resolutions, **Achievable at full resolution

Contact our Sales Team to explore the range of industry-leading digital image correlation systems from Correlated Solutions.

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