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SOLUTIONS
New Software for DIC

Introducing

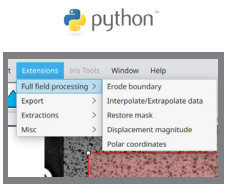
VIC-3D 11

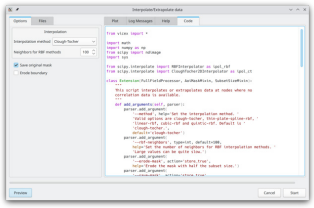
We are proud to announce that VIC-3D 11, the latest release from Correlated Solutions, is now available. An unparalleled 3D DIC analysis software program with powerful new features, VIC-3D 11 has been designed to enhance the user's experience while improving data analysis with a focus on making FEA comparison easier and more accurate. The all-new VIC-Py extension feature allows users to execute Python scripts within the VIC-3D workspace, eliminating the need to use cumbersome command prompts. Contact our Sales Team to discuss all the new features and improvements and explore the ways digital image correlation with VIC-3D 11 can improve your efficiency and results.

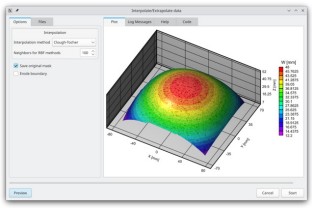
New Features in VIC-3D 11

VIC-Py Integration

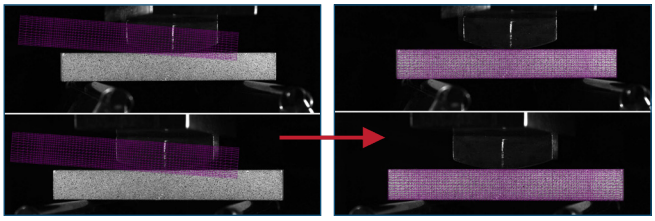
VIC-3D 11 includes a major update to our fully integrated Python extension system for easy execution of scripts within VIC-3D.







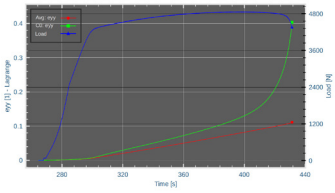
Finite Element Integration



- Easily adjust the position of imported FE mesh data using the intuitive new alignment workspace
- Material model estimation utilizing the Levenberg-Marquardt optimizer
- Additional support for mesh data files (OBJ, STL, PLY, and more)

Visualization Updates

- Independent secondary axes can now be added to extraction plots in *iris*
- Ease the strain curve on your eyes with DARK MODE!
- Take DIC presentations to a new level with a range of helpful templates.
- Extensive global preferences
- Inspector elements improvements



Please contact your local VIC-3D supplier and ask about special limited-time upgrade offers.

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New Hardware for DIC

Pushing the boundaries of DIC research with continuous innovation for more than 25 years

The Blue Hawk & Blue Falcon systems are both available with sensors up to 24.6 MP resolution.

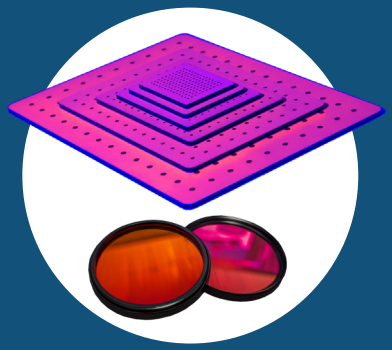
BLUE HAWK (Unpack, Set up, Measure)

- Compact and robust design for excellent calibration disturbance resistance
- Adjustable FOV range from 40 to 400 mm with excellent measurement resolution
- Integrated high-powered blue LED illumination with polarization filter (suitable for fluorescence technique)
- Interchangeable lenses & baseline steps for multiple field-of-view (FOV) configurations
- Suitable for real-time full-field data display and/or virtual strain gauge or extensometer output

BLUE FALCON (Pre-adjusted, Fixed FOV)

- Designed for small-scale FOV using the Scheimpflug principle
- Multiple sensor resolution and FOV options suitable for a wide range of applications
- Integrated fine adjustment capability for image overlap optimization and parallel depth-of-field (DOF) in a rugged design
- Impressive strain noise level down to 0.001% (10με)
- Deformation sensitivity in the nanometer range (FOV dependent)

Fluorescent DIC



A persistent challenge for DIC researchers is testing highly reflective surfaces. The Fluorescent DIC system addresses this issue by eliminating the need for a base layer and polarization filters.

VIC-Gimbal

Designed for precision, automated calibration of VIC-3D systems, the VIC-Gimbal provides the solution for several unique research challenges presented by our customers.

VIC Probe

The VIC Probe system allows users to physically touch points on the 3D surface to create accurate data transformations for easy FEA alignment and integration directly into VIC-3D for comparison.

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