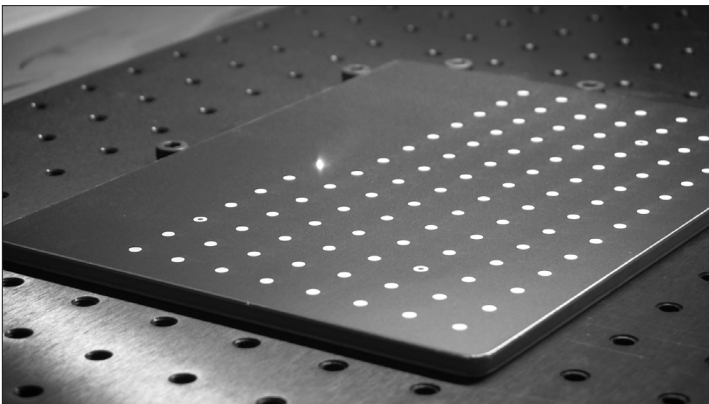


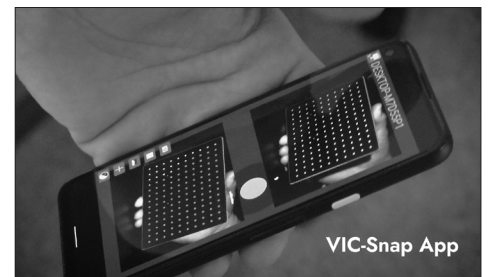
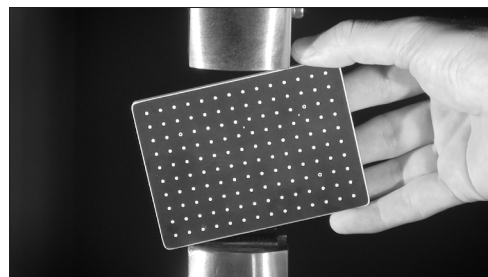
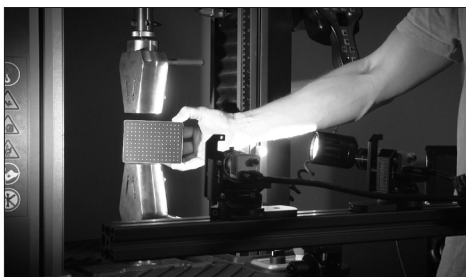
## Calibration Targets

### Laser-Marked Precision for DIC

Successful digital image correlation demands accurate calibration. Correlated Solutions is proud to introduce an all-new set of laser-marked calibration targets with precision marker placement and improved contrast which provides more accurate stereo-camera calibration. The end result is a more robust 3D digital image correlation system and improved accuracy in displacement and strain measurements.



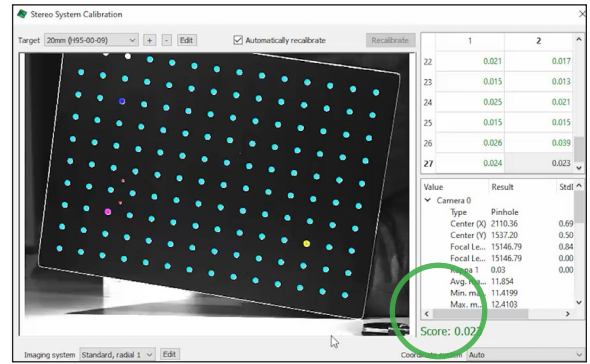
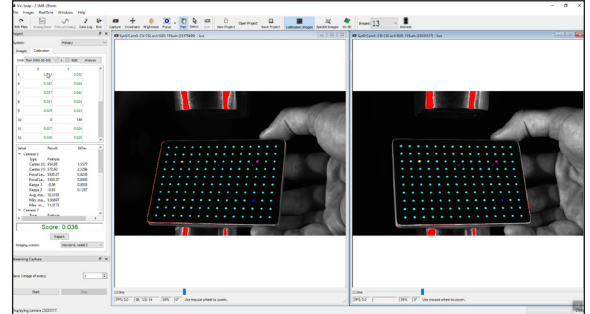
The new calibration targets are fabricated from an aluminum sandwich material with a polymer core providing ultimate rigidity. The aluminum faces are anodized for contrast and increased durability. The calibration targets are also specially coded, enabling the analysis software to automatically detect the spacing of each target, increasing the overall robustness and ease of use of the VIC-3D system.



## Precision marker placement & improved contrast enable more accurate stereo-camera calibration.

The new VIC-3D calibration targets provide many benefits which are listed below:

- Small borders reduce the overall size and enable the targets to fit into tight spaces more conveniently.
- Customized target sets are available for low resolution cameras with automatic spacing detection (e.g., ultra high-speed).
- Improved scratch resistance increases durability.
- The new targets are waterproof and can be cleaned with standard household cleaners or regular dish soap and water.
- Automatic spacing detection by the analysis software VIC-3D.
- Improved contrast increases accuracy.



### Calibration Target Parameters

Target Spacing	Field of View
3 mm	30 - 45 mm
4 mm	40 - 60 mm
5 mm	50 - 75 mm
7 mm	70 - 105 mm
10 mm	100 - 150 mm
14 mm	140 - 210 mm
20 mm	200 - 300 mm
28 mm	280 - 450 mm
40 mm	400 - 600 mm
56 mm	> 600 mm

Correlated Solutions is also now offering low-resolution calibration targets for cameras with less than one megapixel in total resolution. This is common with ultra high-speed cameras such as the Shimadzu HPV-X2. The targets have fewer and larger markers, which allows VIC-3D's algorithms to locate the centroids with more accuracy and consistency, improving the overall stereo-calibration and analysis results.

