SHINING 3D®

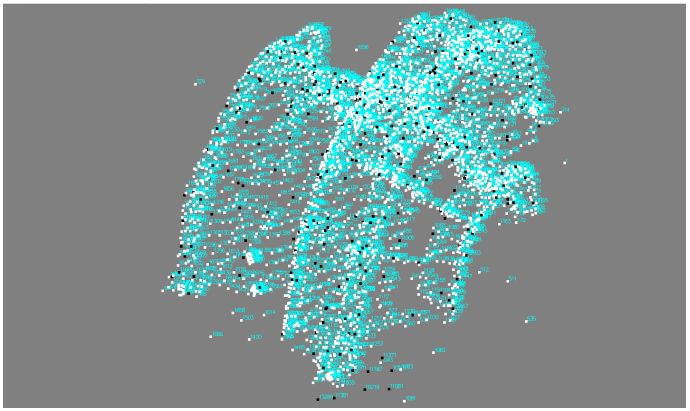
FREESCAN X3/X5/X7
& DIGIMETRIC PHOTOGRAMMETIC SYSTEM

V·GER
COMPETENCE IN 3D SCANNING

3D Inspection Case Study

1.

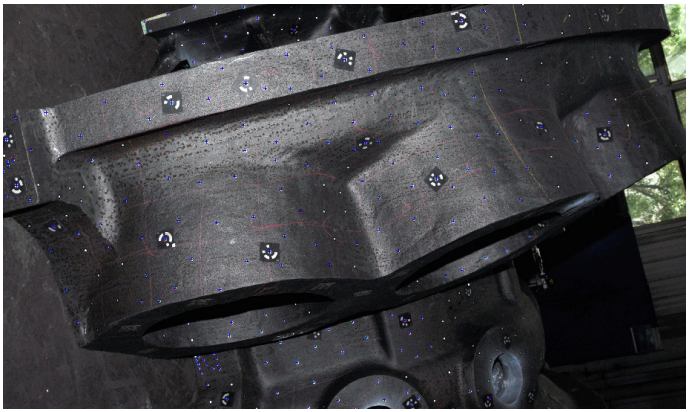
2. Measured object



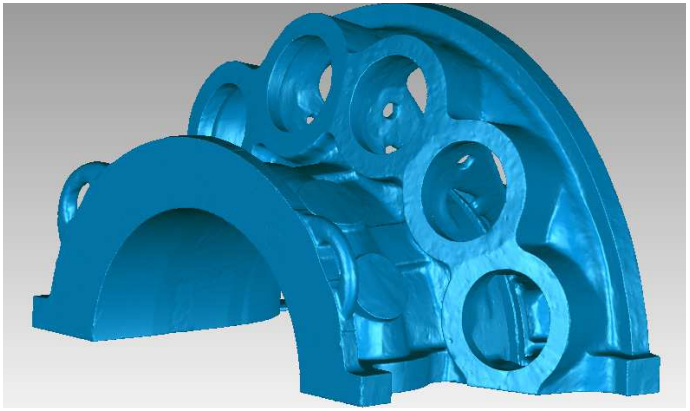
5. 3D framework

6. 3D scanning

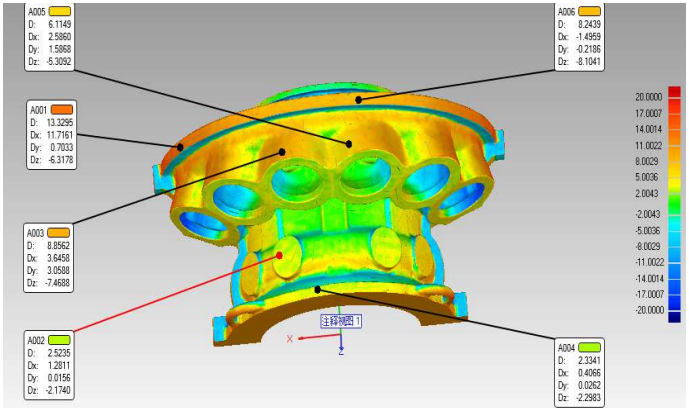
3. Take all-around pictures



4. System calculation



7. Model generation



8. 3D inspection

FEATURES

· Effectively eliminate the cumulative error, and improve the overall scanning accuracy.

· High scanning efficiency, and available for skip-scanning.

· Ensure the overall accuracy of the photographic measurement; give full play to the flexible and fast advantages of the handheld laser scanner.

· Enhance the overall scanning efficiency of large workpieces.

DIGIMETRIC PHOTOGRAMMETRY

During 3D measurement of large objects, such as the entire car, if only 3D scanner is used, it will result in big cumulative error. To eliminate the cumulative error, we recommend the solution of the 3D photogrammetric system DigiMetric with laser handheld FreeScan series. The 3D photogrammetric system DigiMetric accuracy is ≤ 0.1mm/4m, and it can effectively improve the measurement accuracy and eliminate the cumulative error.

The 3D photogrammetric system DigiMetric can obtain high-accuracy global frame point, which will be imported into the handheld 3D laser FreeScan software as skeleton for data alignment. This not only improves the measurement speed, but also effectively avoids the data delamination and decreases accumulation error.

SHINING 3D

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