

DIMENSIONAL ANALYSIS



YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

For over a decade, our main focus as a Testlab is to provide our customers multiple alternatives for testing and obtaining measurable values. One of the main techniques that we currently offer is the dimensional analysis of testing parts by using 3D Scan or Photogrammetry, each one of them having their unique niche.

We further support the development and optimization of automotive parts by providing numerical values out of a comparison before, during and after a test is being executed either with a point matrix or a full mesh render.

A full 3D comparison between the physical model and the CAD model is also available.

Our Photogrammetry Process is also accredited under ISO 17025 as multiple standards require.

HandySCAN 700 CREAFORM

- Resolution 0.050 mm.
- Accuracy up to 0.030 mm / Volumetric: 0.020 mm + 0.060 mm/m.
- Capacity to scan a complete vehicle in sections to keep the resolution.
- Reverse engineering and scanning in 3D to CAD format.
- Real Time Visualization.

Photogrammetry

- High resolution digital camera.
- Accuracy to within 10 microns (2 μm + 5 $\mu\text{m}/\text{m}$ (RMS) 3 μm + 7 $\mu\text{m}/\text{m}$ (3 sigma).
- Built-in high-speed WiFi connectivity.
- Deformation analysis, feature measurement, adapter correction

Contact:

EDAG Mexico

Email: sales@edag.com.mx



Geomagic
Design™ X

