

THREE-DIMENSION FULL-FIELD STRAIN MEASUREMENT SYSTEM

DISPLACEMENT/DEFORMATION AND MOTION ANALYSIS

SUBPIXEL MEASUREMENT ACCURACY

MULTIPLE MEASUREMENTS



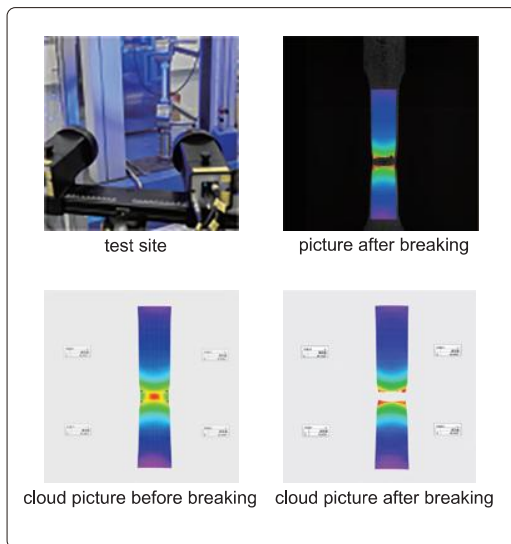
ISD-TD1

- Accurate calculation of 3D coordinates, 3D displacements and strains, velocities and accelerations, etc
- By analyzing the measurement data, parameters of the mechanical properties, trajectory and deformation of the material are obtained
- Comprehensive range of measurement results, including single-point, multi-point, full-field data, 2D/3D data, images, tables, videos, curves, and customized data

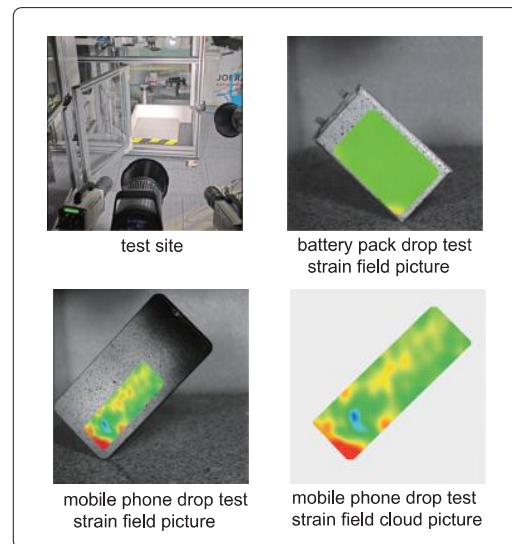
Main application

- Testing of mechanical properties of materials and parts
- Structural strength and stiffness analysis
- Vibration analysis
- Collision test
- Complex 3D motion analysis
- High and low temperature expansion analysis
- Video Extensometer

Typical Application



tensile testing of steel plates for automobiles



various drop tests

SPECIFICATION

Code	ISD-TD1	ISD-TD2	ISD-TD3
Pixel	5M	12M	25M
Frame rate	60fps	30fps	90fps
Strain accuracy	≤50με	≤20με	≤20με
Strain range	0.005%~2000%	0.002%~2000%	0.002%~2000%
View field	10mm~4m	10mm~10m	10mm~10m

* Can be customized according to actual scenarios (microscopic, high-speed, etc)

STANDARD DELIVERY

Camera	2 pcs
Tripod	1 pc
Computer	1 pc
Three-dimension software	1 pc

OPTIONAL DELIVERY

Video extensometer software	ISD-UTM-M
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