VIDEO

SUBPIXEL MEASUREMENT ACCURACY

DISPLACEMENT/DEFORMATION AND MOTION ANALYSIS

MULTIPLE MEASUREMENTS

THREE-DIMENSION FULL-FIELD STRAIN MEASUREMENT SYSTEMS

- 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



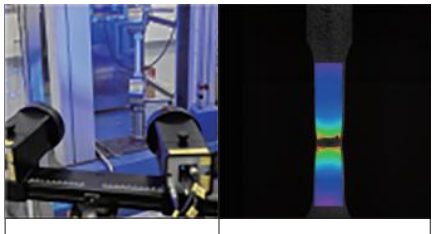
ISD-TD1

Main application

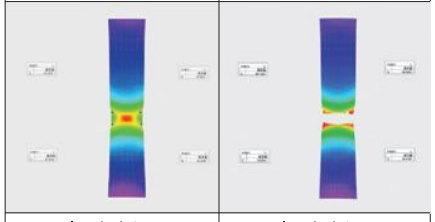
- Testing of mechanical properties of materials and parts
- Structural strength and stiffness analysis
- Vibration analysis
- Collision test
- Complex 3D motion analysis
- High and low temperature expansion analysis
- Video Extensometer

Typical application

tensile testing of steel plates of automobiles



test site | picture after breaking

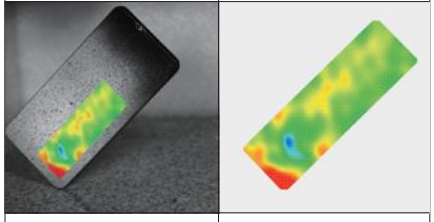


cloud picture before breaking | cloud picture after breaking

various drop tests



test site | battery pack drop test strain field picture



mobile phone drop test strain field picture | mobile phone drop test strain field cloud picture

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 ACCESSORY

Video extensometer software	ISD-UTM-M