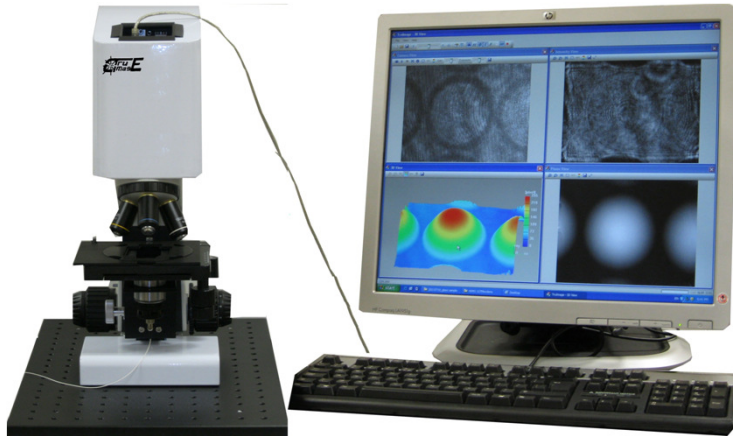


Three-dimensional *Real-time Uninvasive Imaging and Evaluation (TrulmagE)* system

Digital Hologscopy for Micro-optics Metrology



- Compact
- Non contact
- Low cost
- No complex alignment & adjustment
- Physical compensation for environmental vibration and phase curvature
- Software customizable to application
- Suitable for lab or factory environment

Applications:

- Quantitative 3D imaging of linear micro-optics
- Characterization of single lens
- Uniformity inspection of microlens array
- Surface profiling with nanometer resolution
- Surface roughness measurement
- Wavefront analysis and reconstruction
- Optical performance analysis
- Process monitoring

Specifications

Microscope objective	10X	20X	40X	60X
Lateral resolution (μm)	4.4	2.2	1.6	1.1
Vertical resolution (nm)	10	10	10	10
Field of view ($\mu\text{m} \times \mu\text{m}$)	790 × 620	370 × 270	190 × 130	130 × 90

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Three-dimensional *Real-time Uninvasive Imaging and Evaluation (TrulmagE)* system

BS EN ISO 14880-1 to 14880-4 Standards for Microlens Arrays

