

DoubleHelix[®]



海纳光学

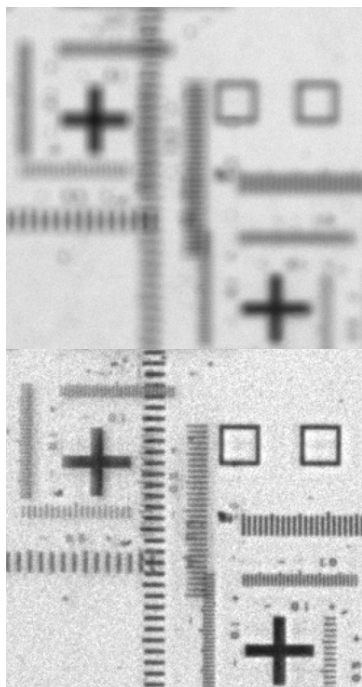
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Accelerate inspection with InSPINDLE™

Instantaneously capture extended depth in a single image

InSPINDLE Clear Aperture

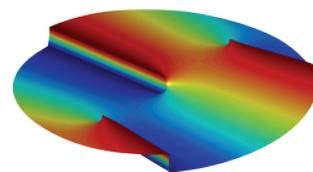


Augment your portfolio of inspection tools with the InSPINDLE, a non-contact optical inspection module engineered using our proprietary phase mask technology. InSPINDLE instantaneously brings 3D objects into focus without the need to acquire multiple axial images.

3D in a flexible, compact form factor

- Efficiently confirm product quality, **reducing costs and speeding production.**
- Unlock up to **5x depth extension in a single shot** with engineered phase masks.
- **Match objective lens and depth requirements** with phase mask library.
- **Optimize resolution** with 3DTRAX® software package.
- Connect to any c-mount compatible port with **streamlined design.**
- Use as a **standalone unit** or adapted for **OEM integration.**

DHO engineered phase mask
matched to your application



InSPINDLE module mounted to
3D motion gantry

Specifications

Dimensions	270 mm (length) x 60 mm (diameter)
Single-Shot Depth Extension	Up to 5x clear aperture
Sensor Size	~15 mm diagonal
Tube Lens	200 mm focal length
Objective Lens	Up to 10x, 0.5 NA
Light Efficiency	>95% from 450-800 nm
Supported Illumination Modes	Ring, transmitted, epi, dark field