CrestOptics

Your Technology Provider for High-End Imaging

We provide high-end imaging solutions designed for seamless integration, accelerating biological discovery and industrial efficiency.

THE CRESTOPTICS MODEL

We create with you, not just assemble for you

Full vertical integration, optics, electronics, mechanics, under one roof means zero compromises on quality and immediate response on modifications. A model built to serve a global community of system integrators and instrument manufacturers.

OEM

Optical components for 3D sectioning integrated into your final products. Complete customization of specs, control and design.

ODM

Branded modules that become part of an advanced microscope system, sold through industrial partners and system integrators.

WHY OEM PARTNERS STAY WITH US — FOR 10+ YEARS

Reliability
Proven workflows you can count on

Stability
15+ years of growth and operational solidity

Roadmap
A shared, forward-looking vision

Performance
Robust, high-performance solutions

Scalability
Ability to support your growth over time

OEM DESIGN-IN SERVICES

Our holistic approach tailors solutions that not only meet but anticipate our clients' evolving needs. A seamless pathway from concept to implementation. In-house expertise to develop complex, tailored optoelectronic and optomechanical systems.

1. **Analysis & Consulting**
Strategic co-development: shared know-how from the earliest phases to define goals and requirements

2. **Design & Prototyping**
Deep optical and mechanical engineering: custom design and Proof of Concept to your specs

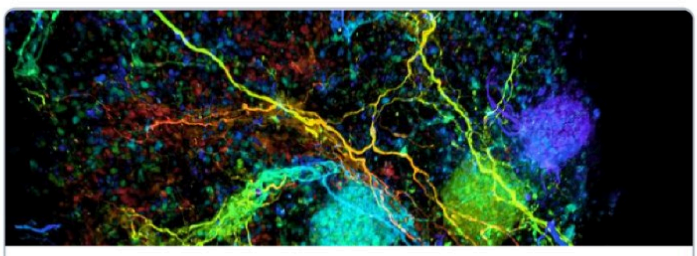
3. **Integration**
Cutting-edge technology, tailored and seamlessly embedded into your own platforms

4. **Production Scalability**
Internal capabilities and a manufacturing model that grow with your demand over time

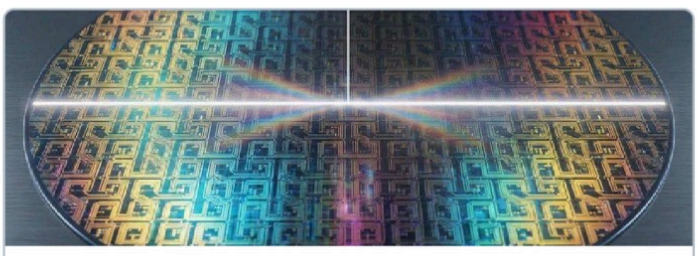
5. **Logistics**
From concept to market, with global reach and 24-hour shipping worldwide

BRIDGING SCIENTIFIC EXCELLENCE WITH INDUSTRIAL SCALABILITY

TWO APPLICATION DOMAINS, ONE IMAGING TECHNOLOGY PROVIDER



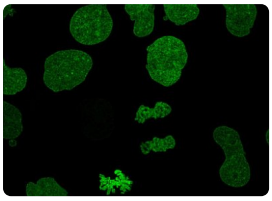
Life Science



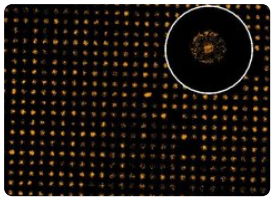
Material Science

APPLICATION FOCUS · LIFE SCIENCE

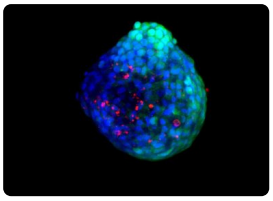
We Speak Science



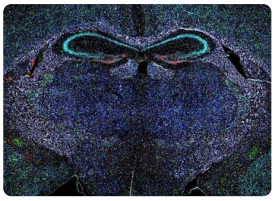
Live-Cell Imaging
High-speed, low-phototoxicity dynamics.



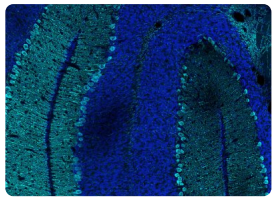
High-Content Screening
Throughput for drug discovery.



Spheroids & Organoids
Optical sectioning of 3D models.



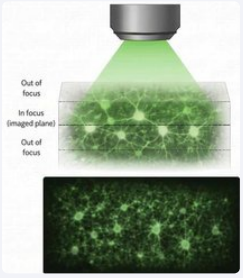
Spatial Biology
Mapping tissue at single-cell scale.



Tissue Imaging
Deep penetration, high resolution.

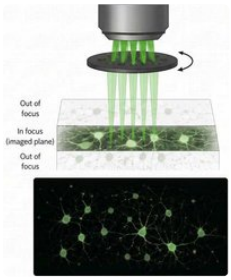
SPINNING-DISK CONFOCAL PRINCIPLE

Rejection of out-of-focus light



Widefield

- Out-of-focus light is collected
- Lower contrast
- Reduced optical sectioning
- More background haze / glare

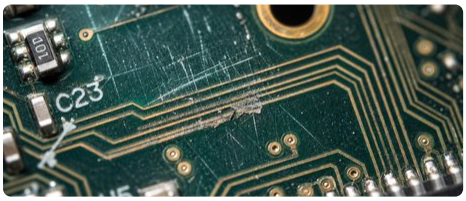


Spinning-disk confocal

- Out-of-focus light is rejected
- Higher contrast
- Improved depth discrimination
- Reduced background haze / glare

APPLICATION FOCUS · MATERIAL SCIENCE

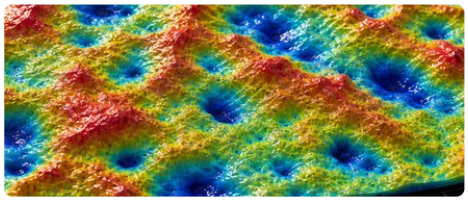
We Support Productivity



PCB Inspection
Fast optical defect detection on solder joints and traces.



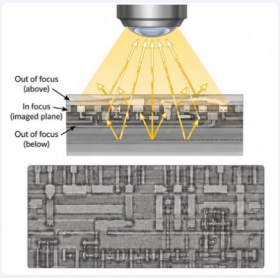
Silicon Wafer
High-speed, high-resolution defect detection at scale.



Depth Map
Precise 3D surface topography and metrology.

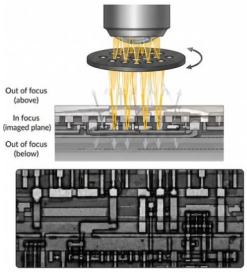
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UNDERSTANDING YOUR APPLICATION ALLOWS US TO BUILD THE RIGHT OPTICS FOR YOU