

For The Global
Gemological Marketplace

speckFINDER HD™ Digital Computer Microscope

speckFINDER HD™ is the world's most advanced family of digital computer microscopes used for precision identification, grading, and appraising of diamonds and colored gemstones, mounted rings, jewelry and watches.

speckFINDER HD's integrated systems are designed for use in manufacturing, appraising, technical bench work, retail display, estate and insurance documentation, and other professional jewelry and compliance settings.



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WHAT IS IT?: speckFINDER HD™ is a visual imaging system used by professionals who need to see, document, and communicate precise details and characteristics of gemstones and precision parts, and who also demand an alternative to the fatigue and limited functionality of common microscopes and stereoscopes.

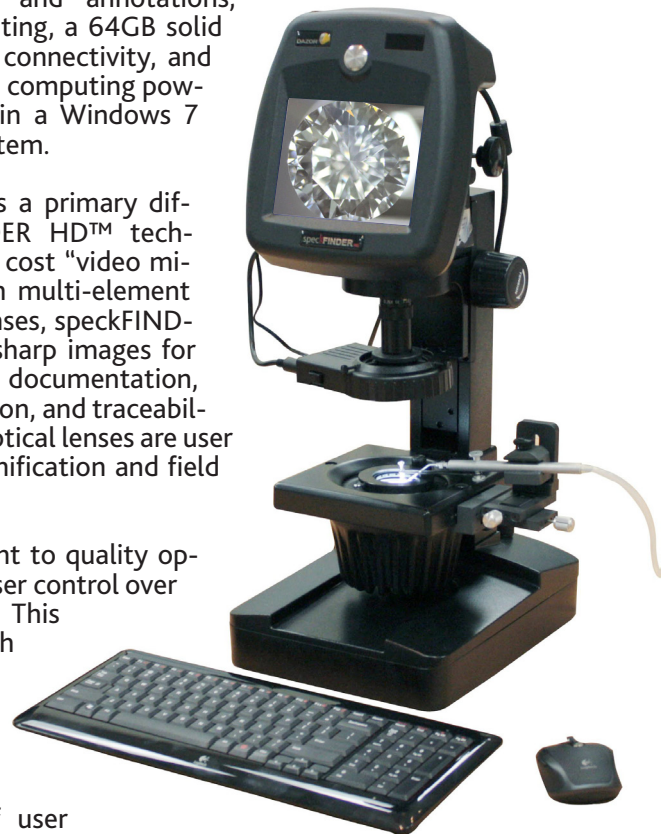
speckFINDER HD™ seamlessly integrates today's most advanced technologies of precision quality optics, a true color high definition display, CCD imaging, digital camera controls, software for user control of measurements, overlays, and annotations, Smart LED controlled lighting, a 64GB solid state hard drive, wireless connectivity, and the latest release of Intel's computing power --- all integrated within a Windows 7 Professional operating system.

Optics: Precision optics is a primary differentiator of speckFINDER HD™ technology from all other low cost "video microscopes". Equipped with multi-element parfocal variable zoom lenses, speckFINDER HD™ produces razor sharp images for inspection and file saving documentation, appraising, peer consultation, and traceability. Standard choices for optical lenses are user selected based upon magnification and field of view requirements.

Lighting: Equally important to quality optics in precise imaging is user control over the lighting environment. This is especially important with gemstones, jewelry, and intricately machined parts. speckFINDER HD™ technology provides multiple lighting sources and an array of user lighting controls effecting the object image.

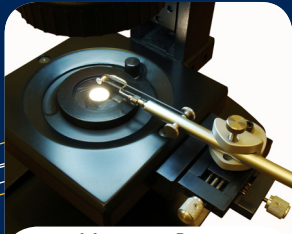
Imaging: Images of objects being inspected are displayed on speckFINDER's high definition screen and can be captured in still image file formats including jpeg, bmp, tif, and avi file format for video images. Live images can be displayed on another monitor or overhead video projector, or over the internet through video conferencing. Any captured images can be saved directly to speckFINDER's hard drive, or to an internal network server. The user defines the file path to which images are to be saved.

Appraisal Compatability: Photomicrographs of gemstones can be imported directly into Industry Appraisal software such as Quantum Leap Professional Appraisal Software.

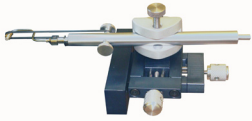


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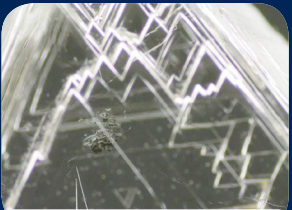
speckFINDER HD™ Digital Computer Microscope



Vacuum Pen
mounted on XY
adjustment stage



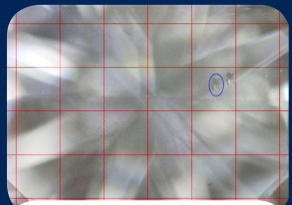
Vacuum Pen on XY
adjustment stage



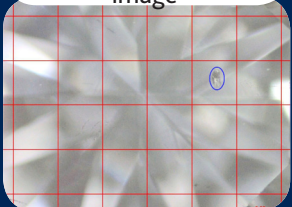
Macle with Inclusion



10X Profile View



55X Stored
image overlay on live
image



speckFINDER HD™ Standard
Base With Ring Light



speckFINDER HD™ using
1.5X - 20X Zoom Lens and
6in Base Extension for
Hallmark Identification

SPECKFINDER HD™ GEMOLOGICAL DIGITAL COMPUTER MICROSCOPES

HD-V1-GB1-LRS1

Variable Zoom Lens 11X-55X, Dark Field Gemological Base,
Dual Row White LED Ring Light

7,995.00

HD-V3-27A-LRS1

Variable Zoom Lens 1.5X-20X, 27" Articulating Arm Mount,
Dual Row White LED Ring Light

6,375.00

VZL05 0.5X

Extender for variable zoom lens, increases field of view to 25mm

170.00

SPK-100-XYCLIP

XY Micro-Adjustment Stage with Gemstone Clip

355.00

SPK-100-VPASSY

Gemstone Vacuum Pen and Pump Complete Assembly Kit

1,435.00

SPK-100-XYVPEN

XY Micro-Adjustment Stage for Gemstone Vacuum Pen

425.00

SPK-100-VPUMP

Vacuum Pump for Gemstone Vacuum Pen, 428 mbar, UL and CE

640.00

SPK-100-VPEN

Gemstone Vacuum Pen with Suction Cups

400.00

SPK-100-VHOSE

Hose for Gemstone Vacuum Pen and Pump

20.00