

# Savvy Optics Corp Inspection Products

## Scratch and Dig Inspection Systems

For inspection to:

**MIL-PRF-13830B,  
ANSI/OEOSC OP1.002 Visibility Method ISO  
10110-7 Visibility Method**

### SavvyInspector® SIF4E

Entry level scratch and dig inspection station for visibility-based surface quality inspections. Manual stages have 100 mm of travel in x and y. Head is focused by hand.



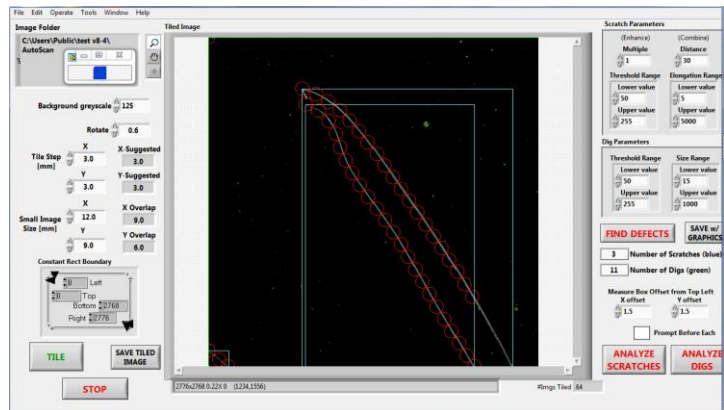
### SavvyInspector® SIF4M SIF8, and SIF16

Motorized and automation ready scratch and dig inspection station for visibility-based surface quality inspections. Head focus and stage position driven by joy stick. Horizontal range of travel varies from 100 mm to 400 mm per axis. Includes autoscan™.



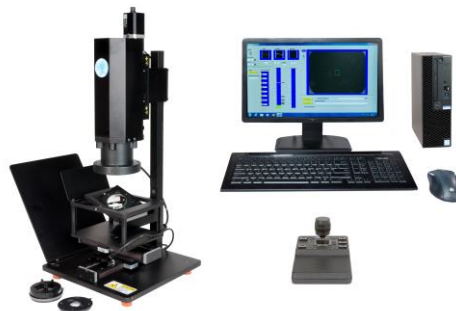
### autoinspect™ and autoreport™ software modules

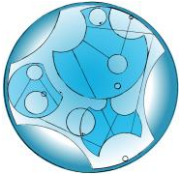
Optional automation software for any of the motorized SIF systems. autoinspect™ provides customizable inspection criteria and evaluates the grade of all scratches and digs on the part. Autoreport™ then creates an editable report of the surface quality with a pass-fail result based on accumulation and concentration rules



### SavvyInspector® SIL-4 and SIL-4M

Scratch and dig inspection station for visibility-based surface quality inspections on curved surfaces. Motorized focus driven by joy stick, manual x, y, tip and tilt motion for inspection of surface imperfections on lenses and curved mirrors





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## Other surface imperfection inspection related products

### D-668 scratch and dig comparison samples

Scratch brightness samples made in accordance with ANSI/OEOSC OP1.002, and certified Army traceable using SIF technology. The five scratch samples and five dig samples are provided in a PET-G box which is ISO 5 cleanroom compatible.



### “The black box”

Standard viewing fixture for MIL, ANSI, and ISO visual inspections. Powder coat Aluminum construction for cleanroom use. Includes variable lamp and photometer and instructions of proper setup for MIL, ANSI, and ISO compliant visibility inspections.



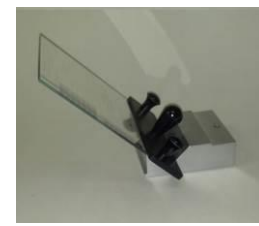
### Certification of scratch visibility standards

All makes (Brysen, Davidson, FLIR, etc.) of comparison standards can be certified, traceable to the Picatinny limit standards via SIF technology.

Measurement study and ISO 17025 certification of traceability to NIST and ISO standards.

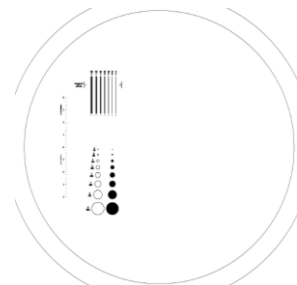
### ANSI/OEOSC OP1.002 dimension method comparison plate with handles and staging block

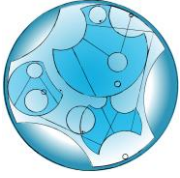
The OP1.002 dimensional comparison plate with a four position staging block for hands-free use. Available in Fe<sub>2</sub>O<sub>3</sub> and Chrome on glass.



### Microscope Eyepiece Reticles

Scratches and digs in a range of dimensional grades in either ANSI or ISO dimensional systems, but with a large, clear viewing area for inspection, for Zeiss, Nikon and Olympus microscopes. Specify chrome on glass or Fe<sub>2</sub>O<sub>3</sub>, and make of microscope eyepiece





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Contact us for a quote.