

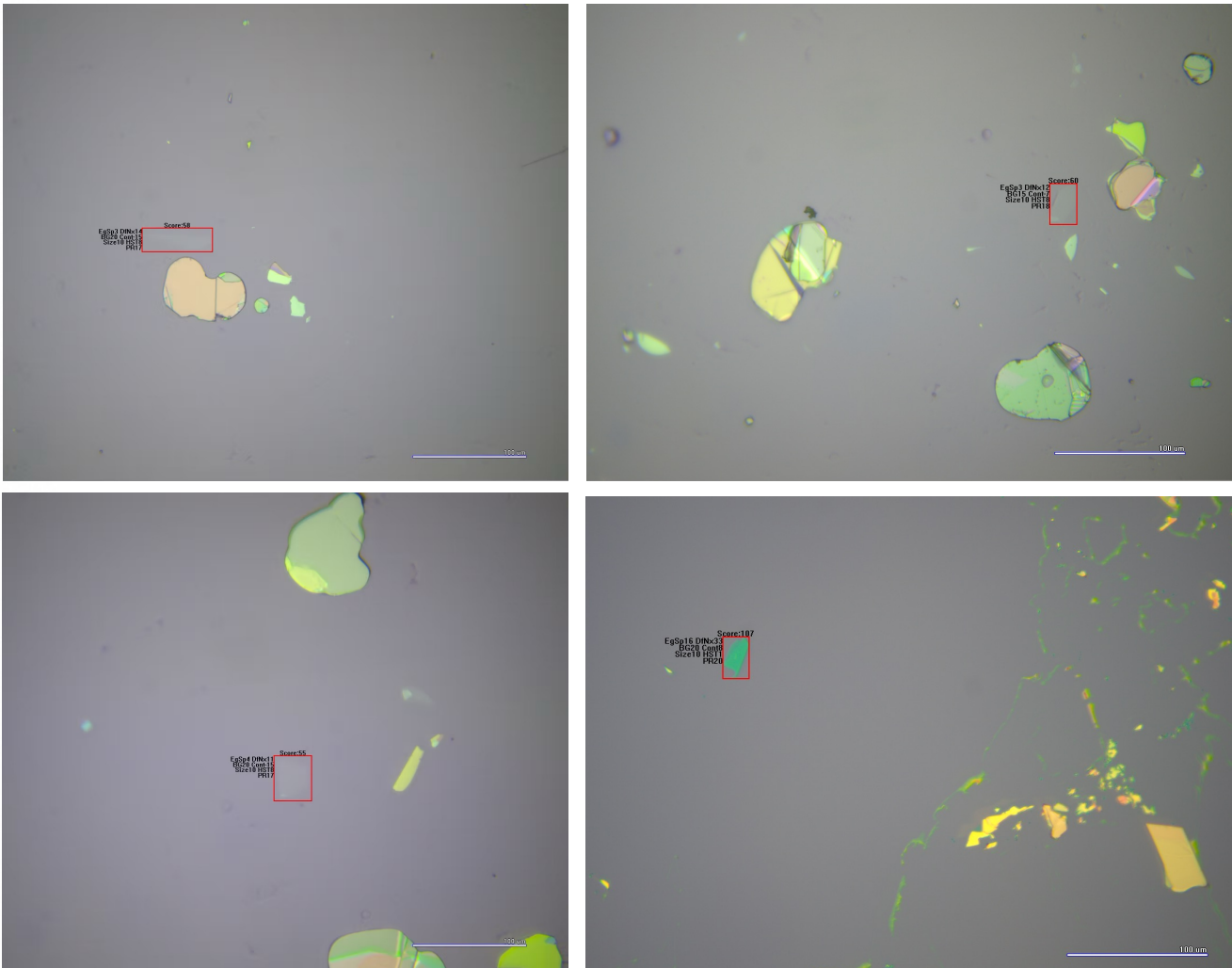
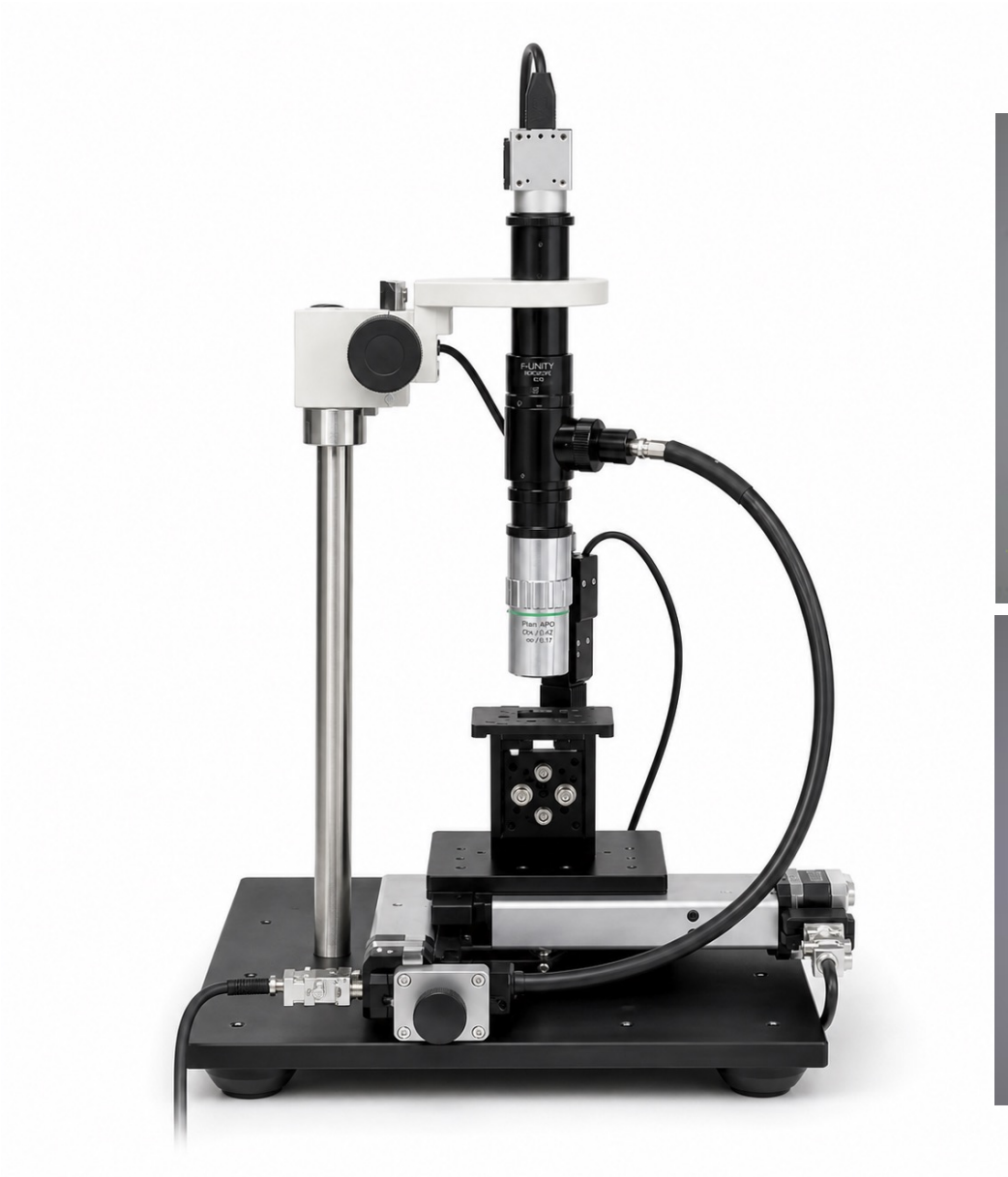
2D MATERIAL DETECTOR

SLG2





2D Material Detector SLG2



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Product Information

scan range: 5cm x 5cm maximum
materials: graphene, hBN, TMDC, Mxene, etc. including all 2d materials
substrate: SiO₂/Si, glass,
scan speed: 200 um/sec.
accuracy: single layer (for graphene, hBN)
Saved image format: jpg file
coordinate: recorded in file name

Features

Upgrade: AI based 2d inference
Auto focusing while scanning
High accuracy to single layer detection
Affordable price for small-scale research
Compact design → Glove box insertable

Performances

Searches using an optical microscope and saves the location and image.
Scan time: 15 minutes to scan 25 cm²
measuring changes in the preset RGB values due to interference effects.
Can be used for research on discovering unknown two-dimensional materials.

Applications

Finding Exfoliated 2d materials
Grown crystal detection
Searching large flakes after synthesis

Convenient Features

Long time stable scanning (> 10 hr)
Auto-focusing and tilt correction
Keyboard operation → position adjustment
Mouse control → move to a specific location on the sample
Marking on the microscopic image

Toward Independence in Research Equipment.

We use only standardized components, empowering users to fully customize them for their unique research needs.

Built on an open-source platform, our system is designed for seamless modification and specialized research applications.

We provide a robust software library, giving users full control to tailor the program precisely to their requirements.

We offer custom software modifications (available as a premium service) to meet specific user needs. We uphold our commitment with one full year of complimentary service and support, plus 10 years of guaranteed software updates to accommodate any PC changes.

