New system for assisting firearm evidence comparisons

Quantitative &
Reviewable Data
Database Extensible

SENSOFAR®
METROLOGY

Fx neox
3D Forensics Comparison

The requested solution for forensic analysis

The Fx neox instrument is the only complete forensic comparison solutiuon on the market. Offering the highest-resolution, true 3D measurements as well as state-of-the-art software, the Fx neox sets a new standard for quantitative and objective analysis for FATM forensic comparisons.

Features overview

- Rapid data acquisition (< 40 seconds)
- 100% true color
- Multimodal sensor head: a 3-in-1 instrument
- User-friendly interface

Strengthening forensic analysis

- Adds high-confidence, objective data to assist evidence analysis
- Advanced hardware/software capabilities permit analysis of most evidence samples
- Reliability in measurement practices – permits unbroken chain of analysis with references standards
- Conforms to advanced standards for laboratory implementation via traceable data

Specifications

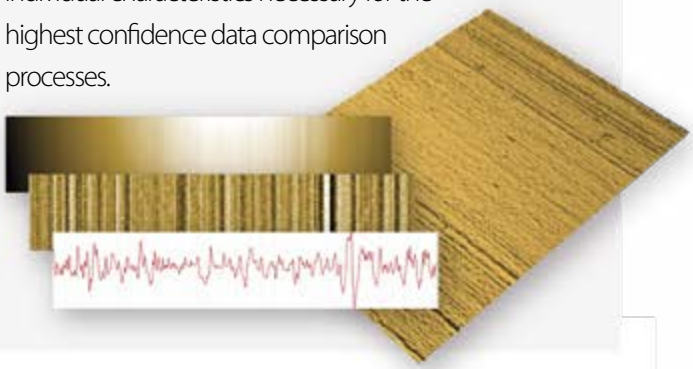
Measurement modes	Confocal, Interferometric, Focus Variation
Sample Capabilities	All FATM evidence (cases, bullets, marks, etc.)
Sample Clearance	up to 150 mm
Working Distance	up to 17.5 mm
Color camera	1232 x 1028 pixels
Quad illumination	Red, Green, Blue and White high-intensity LEDs
Measurement objectives	2.5X - 50X (upto 150X if requested)
Lateral resolution	< 0.17 µm
Vertical resolution	up to 0.01 µm

System capabilities

- Independent, complementary technologies
- Powerful data processing

Confocal | Interferometric | Focus Variation

3D optical comparative measurements add objectivity to firearms and tool marks analysis. These techniques provide surface topographies obtained with height resolutions at the nanometer level revealing the finest individual characteristics necessary for the highest confidence data comparison processes.



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