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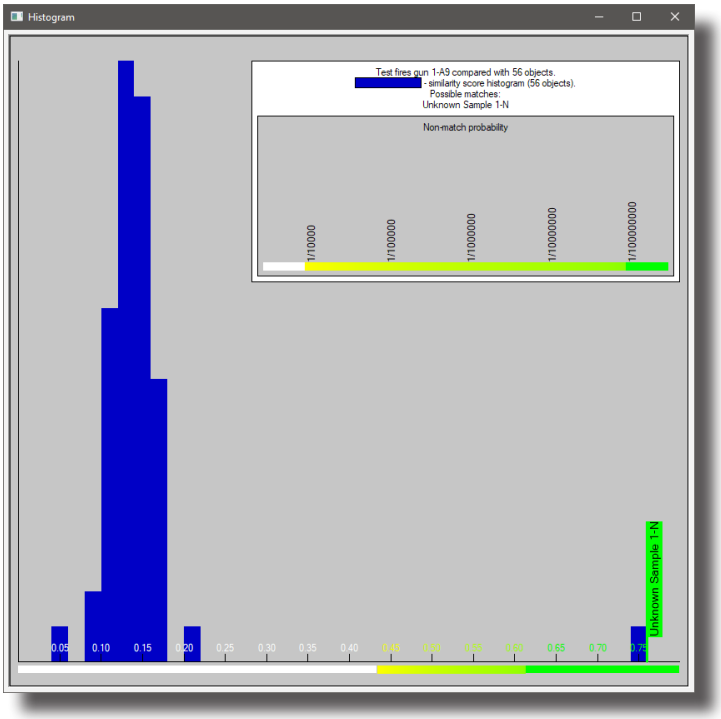
Evofinder®
Automated Ballistic Identification System

EVOFINDER
Automated Ballistic Identification

System Overview

The Evofinder® Automated Ballistic Identification System is a scanning device that **generates 2D and 3D digital images** of bullets and cartridge cases for visualization, virtual comparison microscopy, and automated searches within your databases.

Built with 4-motor mechanics, the Evofinder® provides high-quality recordings of bullets -- including heavily deformed ones & fragments, with a **universal cassette to mount and orient** virtually any type of sample you may have in a single compact, light-weight, and portable scanning device .



Evofinder Scanner (right) and accessoiries case (left)

Automated Identification

The Evofinder® database is designed with an advanced, automated identification system to **automatically correlate sample images** to other images stored in your database, providing a numerical similarity value between two representative images.

These similarities can then be compared to each other using Virtual Comparison Microscopy tools in the Evofinder or under a comparison microscope to identify possible matches.

Evofinder Compares:

On Bullets:

- Land engraved areas / Land Engravings
- Groove Engraved areas / groove engravings
- Slippage Marks

On Cartridge Cases:

- Breech face impression
- Striker mark / firing

Virtual Comparison Microscopy (VCM)

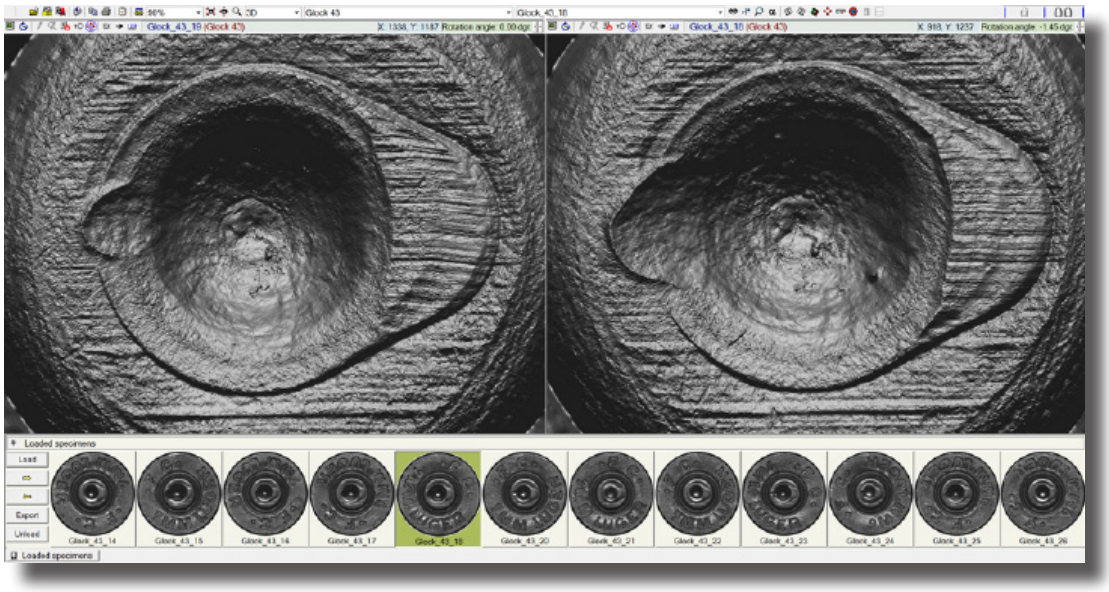


Image control, including:

- Full 2D and 3D Image manipulation
- Lighting angle, orientation, contrast, and brightness controls
- Auto-alignment of samples
- Sample image overlap
- Independent and synchronous sample manipulation

Portable Unit

The Evofinder® was designed for lab use , or to be easily deployed to a crime scene out in the field. With the use of a laptop, the entire system fits into a lightweight polymer travel case and the scanner runs on a 12-volt car adapter.

A portable and compact design, the Evofinder® can be brought to a scene for data collection, sorting of evidence, and provide Virtual Comparison Microscopy so work can begin on-site.

Data gathered at a scene can easily be uploaded to the database in real time.

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