

# Evofinder®

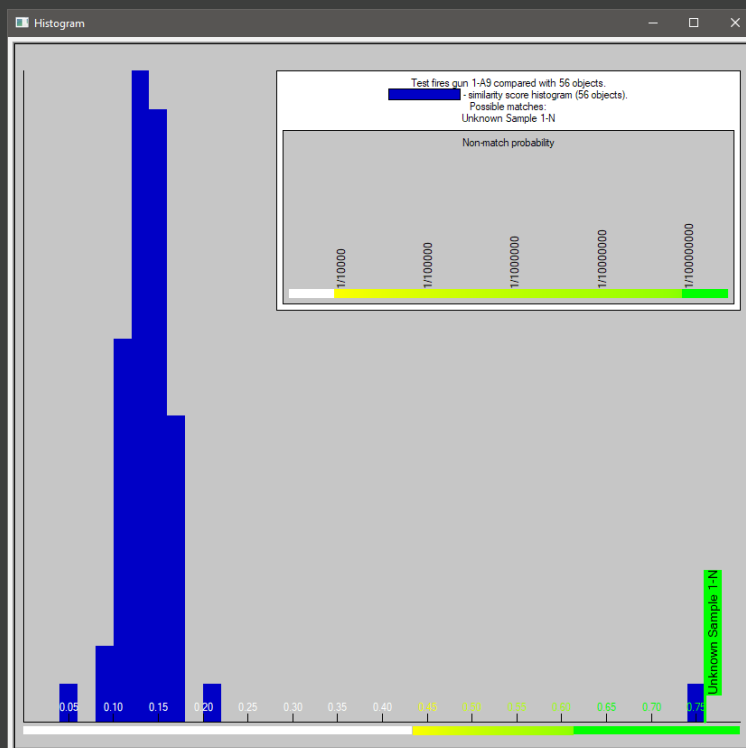
## Automated Ballistic Identification System

### Evofinder System Overview

The Evofinder® Automated Ballistic Identification System is a scanning device which generates digital images of bullets and cartridge cases for examination, comparison, and automated searches within existing databases. Built with 4-motor mechanics, the Evofinder® provides high-quality recording of bullets, including heavily deformed ones, and incorporates a universal cassette to mount and orient both types of samples in a compact, light-weight, and portable scanning device.

### Automated Identification

The Evofinder® database is designed with an advanced, automated identification systems to compare sample images to other images stored in the 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 for the purposes of identifying possible matches.

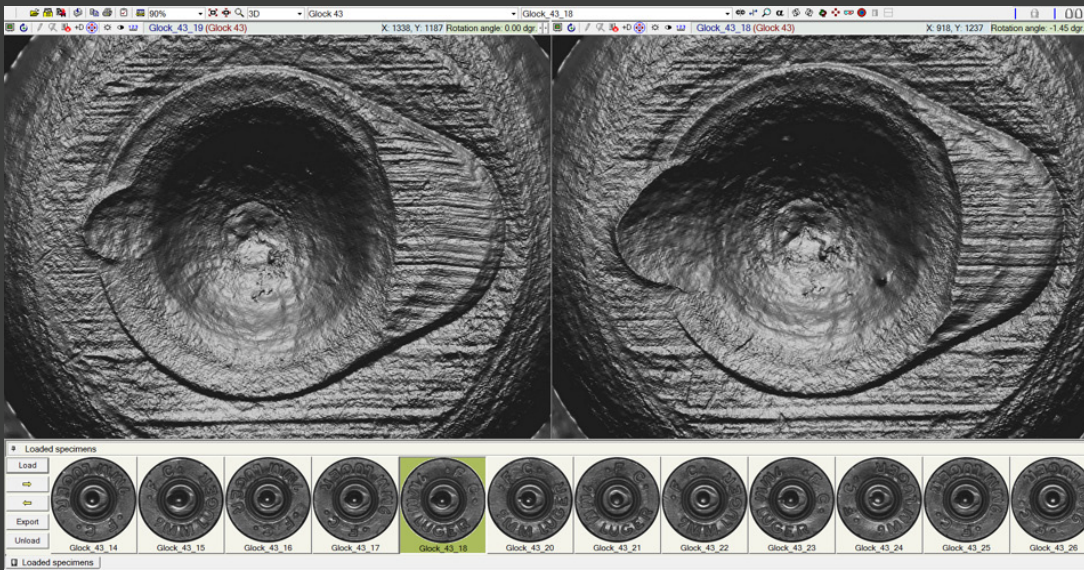


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## Virtual Comparison Microscopy (VCM)



VCM allows for full 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 to be easily deployed to a crime scene or used out in the field. Supported by a laptop, the entire system fits in a light weight polymer travel case and the scanner runs on a 12-volt car adapter. The Evofinder® can be brought to a scene for data collection, sorting of evidence and even provide Virtual Comparison Microscopy so work can begin on-site. Data gathered at a scene can easily be uploaded to the database upon returning to the laboratory.



  
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