

FORENSIKA is software that digitizes the bullet and cartridge case scans produced by FORENSIKA BS, Papilon's ballistic scanner, and aids the criminal experts in the analysis of these cases and bullets.

HIGH ACCURACY RATE

Supported by the sharp scanning capabilities of FORENSIKA BS, the superior coding and matching algorithm of FORENSIKA enables the operators to find the right candidate at the top of the match list.

SMART CANDIDATE LIST

FORENSIKA ranks the matching candidates by decreasing similarity and allows law enforcement personnel to devote their time to the focal points of an investigation while it handles the suspect search. The list allows the experts to prioritize candidates who had more likely been involved in the case.

DIMENSION OPTIONS

FORENSIKA can display cartridge cases and bullet scans in 2D or 3D.

MULTITASKING WITH ONE CLICK

FORENSIKA can run up to ten analyses and inquiries with one click.







ADVANTAGES

- No area or shape limitations on objects to be scanned
- · Different candidate lists depending on each parameter/mark type on the cases and bullets
- Fast Inquiry
- High Accuracy Rate
- User-Friendly Design
- Independent Datasets
- Suitable for Linux and Windows
- Storing WSQ-compressed images
- Importing and exporting images in TIFF format

How Does FORENSIKA Work?

FORENSIKA transforms the bullet and case scans produced by FORENSIKA BS into the digital space. Thanks to FORENSIKA, the unique marks, such as extraction needles or feed marks, are automatically color-coded. This eases the work of experts to a great degree as it sorts the marks by type. Following the coding, the bullet and vase scans are sent to the dataset to be inquired. FORENSIKA's inquiry module magnifies and accentuates the details on the objects, allowing the experts to observe the particularities and make comparisons with more dependable images.

Where to Use FORENSIKA?

FORENSIKA is used by law enforcement officials in the analysis of bullets and cartridge cases collected from crime scenes of cases that involve the use of firearms.

When Will You Need FORENSIKA?

- When you want to register the marks on bullets collected from test firings during the issuing of gun licenses.
- When you want to find who fired the bullets collected from crime scenes, When you want a physical piece of evidence, such a bullet, to lead you directly to the perpetrator with no risk of misguidance or the law to be misled,
- When you want to solve criminal cases while the trials are still fresh.
- When you want to unburden ballistic experts and criminal analysts and direct their energy to key
 questions.

Who can Use FORENSIKA?

The ideal use of FORENSIKA's dataset and coding modules is ballistic experts.

However, operating the digitization of scans created by FORENSIKA BS can be done by any personnel following a short tutorial.

FORENSIKA BS

In crimes involving the use of firearms, the key pieces of evidence that lead law enforcement officials to the perpetrator are bullets and cartridge cases. Using these pieces of evidence, the police can track the gun from which these are fired, and eventually find the suspect. Forensika BS scans bullets and cartridge cases under different lighting conditions to detect the peculiar marks left on the cartridges and cases during firing.



