

Forensic Voice Analysis

Identify fraudsters and criminals with not a moment to lose

Every moment counts in a criminal investigation. That's why Sestek Forensic Voice Analysis aids law enforcement and security organizations in criminal investigation every day. Our advanced, accurate voice biometrics solution makes it easy to identify speakers in audio evidence, helping forensic experts when every minute matters.

Enjoy heightened security—for the public or your organization

Sestek Forensic Voice Analysis identifies people by voice no matter their gender, accent or other demographic variables. With advanced voice biometrics, forensic experts may easily detect samples of speech in an audio recording and identify speakers in just moments. This allows them to continue their investigations swiftly.

Save essential time in criminal investigations

Sestek Forensic Voice Analysis saves law enforcement and forensic experts precious time in prosecuting suspects. By using advanced voice biometrics, Sestek Forensic Voice Analysis helps law enforcement complete voice treatment and speaker identification in record time. This is because the technology analyzes up to hundreds of audio files within just a few minutes. This far outpaces the amount of evidence a human could review in the same amount of time. Users may compare several audio recordings at the same time, including any audio evidence that's relevant to the investigation. Rather than listen to each individually—which could take hours—users can quickly hone in on a suspicious individual's identity in moments.

Forensic Voice Analysis Key Features

More Accurate Identification

Sestek Forensic Voice Analysis has several biometric features to ensure high-accuracy results. These include:

- **Speaker identification;** which confirms or disproves the identity of an individual by analyzing audio evidence;
- **Speech-silence detection;** which automatically detects speech or silence in audio samples and labels sections as such;
- **Formant verification;** which allows for one-to-one comparisons of formant distributions of audio recordings;
- **Speaker diarization;** which differentiates between multiple voices in a single channel recording of speech;
- **Gender identification;** which detects the gender of the speaker automatically.

Together, these features ensure identity verification at high accuracy.

Reference Population Management

Users may train and improve the software's accuracy with reference populations. Reference populations are batches of voice samples that are organized by commonalities such as gender, language and other demographic traits. By analyzing a voice against the relevant reference populations, you can enjoy better accuracy in your results.

Language & Accent Independent Structure

Sestek Forensic Voice Analysis isn't hampered by the constraints of language; the software needs only hear utterances from a voice to identify individuals. Because it works independent of language, accent or speech content, Forensic Voice Analysis is highly flexible to investigators' needs—in fact, it can identify an individual speaking a different language with ease.

Easy-to-Use Interface

While Sestek Forensic Voice Analysis uses advanced biometric technology, you don't need to be a tech expert to make use of the software. Forensic Voice Analysis offers a simple and intuitive interface that makes it easy to organize and refer to any audio files relevant to your investigation. When an investigation is complete, you may archive any analyses in case they're needed in the future.

Flexible Structure

Because Sestek aims to make forensic experts' work easier, Forensic Voice Analysis integrates easily into other biometric and analytic systems. Many users will be satisfied with our tool alone, but investigators who require working with several platforms or tools will find that Forensic Voice Analysis fits easily into any workflow. The technology is compatible with the Windows operating system.

Tried-and-True Voice Analytics

Sestek has over 18 years of experience in producing cutting-edge speech solutions. Our expertise in producing state-of-the-art biometrics empowers individuals across industries to save time, money and energy with speech technology. With advanced management of reference populations and other biometric measures, Sestek Forensic Voice Analysis aids in everyday criminal investigations by providing a fast, simple and accurate identification process.

OTHER VOICE BIOMETRICS SOLUTIONS

- Vocal Passphrase
- Blacklist Identification
- Verification On-the-Go
- Speech-Enabled Password Reset

About Sestek

Sestek has been a global provider of speech-enabled smart technologies since 2000. The company draws its strength from its patented technologies, pioneering role in the collaboration between academia and industry, and growing clientele from various areas of business. The performance and stability of Sestek's technologies and its flexibility in tailoring solutions to customers' needs provide this fast-growing company with a unique advantage over its competitors. Sestek's state-of-the-art products include Speech Analytics, Voice Biometrics, Text-to-Speech, Natural Dialog, Virtual Assistant, and Chatbot.