

## Truth & Deception Technologies LLC, Voice Stress Analysis

Truth & Deception Technologies LLC© initially developed the advanced DecepTech™, to identify attempts at deception in law enforcement activities. Subsequently, its advanced user friendly capabilities found additional applications for determining deception in arson, counter narcotics, insurance fraud, employment screening, anti terrorism, etc.

DecepTech™ achieved the first significant advance in voice stress analysis since development of the Psychological Stress Evaluator (PSE).

DecepTech™ was developed as a truly computerized system, which takes full advantage of digital processing to give the examiner a new set of sophisticated, analytical tools.

Truth & Deception Technologies LLC © was formed to market and train examiners in a system that is packaged in a fully portable computer. Operational DecepTech Systems have been delivered to law enforcement agencies in the United States and a host of foreign nations. Truth & Deception Technologies LLC was also awarded a contract by the Government Services Administration for sale of its software and training to federal agencies as well as to state and local anti-narcotic groups.

The DecepTech™ Digital Voice Stress Analysis instrumentation, weighing less than seven pounds, is the most technically advanced system yet produced to detect, process and display changes in the physiological "Micro - tremor of the Lippold" in human speech.

Micro - tremor in the laryngeal muscles has been shown to reflect the level of stress being experienced by an individual, and to be observable in components of the individual's speech. The micro - tremor itself is manifested in oscillations of 8 to 12 Hz in the reflex mechanism that controls the length and tension of a stretched muscle.

The system is totally non-invasive, requiring absolutely no physical contact between equipment and the subject. This is considerably different from typical polygraph conditions, where the subject is physically connected to three or four separate sensors, in the form of belts, clips, and the like.

The DecepTech™ laptop computer is positioned on the table so only the examiner can see the screen, and a microphone is the only other equipment in the room.

This relaxed environment allows subject to communicate freely and affords the analyst the opportunity

**DecepTech™ consists of three interdependent elements:**



Trained VSA examiner

Electronic instrumentation (software, audio recorder, and processor)

Constructed set of proven interview techniques and test protocols.

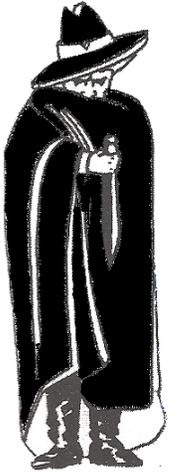


## Features

**DecepTech™** works in real time, in person, using a standard microphone or via recorded speech using small, inexpensive, off the shelf digital recorders. It works well with speech, either live or recorded, over the telephone and from television and radio broadcasts. As the subject speaks, the computer displays each voice pattern, numbers it, and saves each chart to file.

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## Applications



Criminal Justice Tool  
Background Checks  
Pre Employment Screening\*  
Insurance Fraud  
Forensic Investigation  
Cruise Ship Security  
Airport Security  
Private Investigators  
Government Security  
Controlled Substance  
Surveillance  
Law Office/ Depositions  
Traveler Security  
Corporate Security  
Arson

\*Government, Law Enforcement, & International  
Clients only



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# Truth & Deception Technologies LLC

## DecepTech™

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