




# Objectivity Through Motion Analysis

United States Forensics is positioned to be the largest provider of computerized biomechanical analysis of motion in the medical/legal marketplace.

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## United States Forensics: Revolutionizing Biomechanical Analysis and Rehabilitation

United States Forensics (USF) aims to become the leading provider of computerized biomechanical analysis of motion in the medical/legal marketplace. The company's mission is to eliminate the guesswork in determining degrees of disability or impairment in legal cases and provide compatible rehabilitation protocols to expedite the return of injured workers to the workplace.

USF is offering franchise opportunities in up to 500 markets across the United States, Canada, and Europe. The company believes its precise measurement systems will redefine judgment and opinion in the industry, providing empirical truths that save the system money.

USF is composed of research scientists, physicians, and attorneys dedicated to applying computerized biomechanical analysis and two derivative technologies to the medical-legal marketplace. The company uses the latest interactive computerized resistance technology and a computerized high-speed analysis system to analyze and quantify disability and Worker's Compensation cases.

The company's technologies include the first computerized/diagnostic exercise machine (CES) and the Ariel Performance Analysis System, the "Digitizer". Both technologies are the work product of Dr. Gideon Ariel, a principal and co-founder of USF.

USF believes its system can accurately measure human disability, identify malingerers, test an employee's capabilities, and provide state-of-the-art rehabilitative and therapeutic programs. This could potentially alleviate the crisis of rising insurance premiums and bankruptcy among small-to-medium-sized insurance companies due to extended, long-term payouts for Worker's Compensation and disability claims.

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Below find a reprint of the 2 relevant pages of the article "Objectivity Through Motion Analysis" in "Objectivity through Motion Analysis":

**USF's Objective**


United States Forensics is positioned to be the largest provider of computerized biomechanical analysis of motion in the medical/legal marketplace. Our mission will be to eliminate the guesswork involved in determining degrees of disability or impairment in legal cases of all kinds, as well as provide compatible rehabilitation protocols to speed injured workers back to the workplace. As integrated components do the analytical side of the business, USF will provide general fitness, sports medicine and cardiopulmonary programs, as well as pre-employment screening programs, all of which can be implemented with these two versatile technologies.

**Franchise Opportunity**

United States Forensics is offering you the opportunity to invest in either the Affiliate or Owned and Operated franchises in as many as 500 markets in the United States, Canada, and Europe. Moreover, we are offering you an opportunity to invest in a company whose time has come, a company whose impartial and precise measurement systems will redefine words such as "judgment" and "opinion." We believe that USF will give birth to a new industry, and that we will continue to lead this industry. By providing empirical truths, you will make money by saving the system money.

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**OBJECTIVITY THROUGH MOTION ANALYSIS**



**UNITED STATES FORENSICS INCORPORATED**

United States Forensics is a company made up of research scientists, physicians, and attorneys dedicated to applying the principles of computerized biomechanical analysis and two derivative technologies to the medical-legal marketplace. Computerized biomechanical analysis is the study of motion through Newtonian physics and state-of-the-art computer technology.

Specifically, United States Forensics (USF) will analyze then quantify disability and Worker's Compensation cases using the latest interactive computerized resistance technology, and a computerized high-speed analysis system which measures "real time" performance.

The resistance and performance analysis technologies include the first computerized/diagnostic exercise machine (CES) and the Ariel Performance Analysis System, the "Digitizer." The computerized exercise machine (CES) samples the ability and / or disability of the user at 16,000 times per second by way of a servo-system or biofeedback loop which is a closed loop system to ensure the highest degree of sensitivity between the user and the apparatus.

The Digitizer is a fully integrated system of hardware and software designed to analyze complex or simple motion at high speeds in three dimension. The Digitizer's software has been in development for 20 years and is far advanced of the nearest competition. Both the CES and the Digitizer are the work product of the world's leader in cybernetic applications of biomechanics — Dr. Gideon Ariel. Dr. Ariel is a principal and co-founder of USF.

## USF's Philosophy

Until now the American legal system looked to experts' opinions as to answering questions of disability in a non clinical, often non-scientific adversarial setting — the court room — or Worker's Compensation tribunals across the country. One expert pitting his reputation against another of equal competence often giving widely dissimilar opinion representative of which side they are or plaintiff or defendant, petitioner or respondent.

The system has failed to accurately measure human disability. The resultant costs attributed to malingers and to out of-court settlements based on fear of suffering adverse verdicts has caused a crisis which could bankrupt the reimbursement system as we know it, or drive up premiums to a point that those who need insurance most cannot afford it. The crisis has become so acute that small-to medium-sized insurance companies have looked to bankruptcy courts for relief from extended, long-term payouts for Worker's Compensation and disability claims.

United States Forensics has a system which can cull out the malingers, a system which can test an employee's capabilities to determine whether he or she can perform required tasks, a system which can provide rehabilitative and therapeutic programs for those who deserve to be treated by the state-of-the-art in rehabilitative medicine.