

Capabilities Statement

rex Enterprises Corporation (Trex) has over 35 years of experience as a diversified high-technology company. Trex specializes in creating innovative technical solutions to meet evolving customer needs and to transition these solutions to products. Trex has been awarded 120 patents and has applied for an additional 57 patents. Trex is headquartered in San Diego, California with additional facilities in Hawaii, New Mexico, and Massachusetts. Technical work is performed in San Diego, California; Maui and Kauai, Hawaii; Albuquerque, New Mexico; and West Hatfield, Massachusetts. Administrative offices are located in San Diego, California. Trex was previously a publicly held subsidiary of Thermo Fisher Scientific and was acquired by management in 2000. Since that time, its subsidiaries have received approximately \$175 million in venture capital support to develop new businesses.

Services / Specialties

- Adaptive Optics & Electro-Optics
- Advanced Materials (CVC SiC™)
- Guidance, Navigation and Controls
- Visible through SWIR Very Large Format Sensors
- Imaging in Visible, MWIR, and MMW Spectrum
- Radar Systems
- Wave Energy Harvesting
- MWIR Tracking
- Telescope Architectures
- RF Communications
- Foreign Object Debris (FOD) Finder

Customers and Markets

Government:

- Air Force Research Laboratories
- Defense Advanced Research Projects Agency
- Defense Threat Reduction Agency
- Naval Air Systems Command
- Office of Naval Research
- Space and Naval Warfare Systems Command
- Technical Support Working Group (TSWG)
- U.S. Army Aviation & Missile Command
- U.S. Army CERDEC RDECOM NVESD
- U.S. Army Operational Test Command
- U.S. Army Research Laboratory
- U.S. Army Space and Missile Defense Command

Private:

- ITT Industries Space Systems, LLC
- Lockheed Martin
- Massachusetts Institute of Technology
- Lincoln Laboratory
- Northrop Grumman
- Raytheon
- Science Applications International Corporation
- Digital Fusion Solutions, Inc.
- ZhongAn (Tianjin) Aircraft Equipment Company. Ltd

History of Commercialization

Trex has a long history of commercialization. It developed the first lasers for laser hair removal and pioneered that industry. It developed the first digital x-ray mammography system submitted to the FDA for approval, which was sold – along with other diagnostic imaging systems that generated more than \$200 MM in annual sales – to industry-leader Hologic.

The FOD Finder product follows a long history of commercialization of radio frequency products. It has sold hundreds of millimeter-wave radios for gigabit per second communications systems that have been operating virtually error free in the field for more than a decade.

Its FOD Finder™ systems have achieved unparalleled levels of performance in both independent testing by the US FAA and Chinese CAA and proven applications in commercial and military airports. No other FOD detection system can compare to Trex's 100% detection rate in independent tests. One military customer reports that it has had "zero" FOD events since deployment of the FOD finder.

Similarly, its True North Modules have achieved unparalleled level of performance in siting systems. As a result, the systems have been licensed to Northrup Grumman for integration into certain defense applications. Northrop Grumman reports that it has successfully completed formal qualification for its ground soldier targeting system with the Trex celestial navigation enhancement and is delivering systems to support the immediate needs of deployed soldiers.

The Trex GAVELS system is a precision sensor designed to detect artillery point of impact. Six systems have been delivered and deployed by the US military. Trex has been awarded a contract for production of up to thirteen (13) systems by the US Army OTC, and has currently delivered eight (8) systems to the Airborne Special Operations Test Directorate at Ft. Bragg NC.