

Leading Robotics into the world of Hernia Mesh Fixation

Hernia is considered to be the most common procedure in the abdomen.

The existing devices are limited in providing the **Best Treatment Quality** to the patient, due to the following problems:

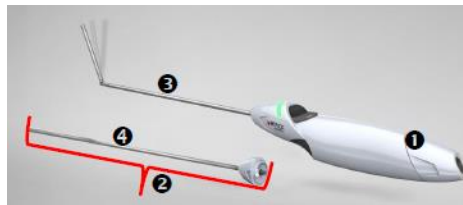
- Inability to access the mesh from the current trocar location. In order to complete the procedure, the surgeon has to insert at least one additional trocar.
- The surgeon often has to compromise and insert the tacks not vertical to the tissue.
- Each Tacker is limited to one type of anchor

The eTack –

ArTack's **eTack™** is a revolutionary motorized laparoscopic fixation device comprised of:

An "in-line" **motorized handle (1)**, single-use procedure and re-usable in the future.

A fully **disposable shaft (2)** articulated **3** or straight **4**, depending on procedure requirements.



Key Features and Benefits –

The eTack simplifies and enhances the minimal invasiveness of the tacking procedure, reduces risk, and lowers costs:

- Articulated arm provides complete control of the barrel angle (1800-800) => Better access and enhanced flexibility.
- Motor driven mechanism provides precise control over the system drive => Facilitates and improves anchor insertion; provides consistent, repeatable performance.
- Compatible with stabbed and screwed anchors as well as with absorbable and non-absorbable tacks => Enhanced flexibility.
- Ergonomic design => Ease of use with different hand sizes and difficult angles.
- Fewer trocars/procedure => Reduces hospital costs; less invasive and reduces risk to the patient.
- Compatible with both laparoscopic and open surgery techniques.

Target Market –

Around 10 million hernia repair procedures are performed annually worldwide, of which about 15% are done by Minimally Invasive Surgery technics.

The global hernia repair devices and consumables market was valued at \$4,156 million in 2016, and is projected to reach \$5,554 million at a CAGR of 4.2% from 2017 to 2023.

Go-To-Market Strategy –

Commercializing a Single use device first, followed by a Reusable Handle with an exchangeable disposable shaft. To expand company's portfolio by developing complementary products.

Investment Sought –

ArTack Medical is seeking an investment of \$1.5-2 million during 2019-2020 to (1) Achieve CE Mark & FDA regulatory Approvals (2) to develop a mesh deployment accessory a reusable handle and an accessory for a robotic platform.

The Company –

Founded in 2013. Based on its patented technology, ArTack Medical is developing a variety of tools for the multi-billion dollar minimally invasive surgery market. The Company's first product is the eTack, a revolutionary motorized and articulated Tacker for fixing meshes during hernia surgery. Funded to date over \$2million from private investors, Venture Capital the OCS (Office of the Chief Scientist) and a strategic partner it was able to achieve several milestones including:

- **Fully developed** a first version device that was successfully tested in animal and human models.
- Build a **strong IP** portfolio with issuance in: Israel, China, Japan, Europe, USA, HK & Australia.
- **Collaborating with** Vincent Medical, a listed company from HK.

Team-

Shahar Peled, CEO. 17 years of experience in development and management of business oriented early stage medical device companies.

Ziv Tamir, BD. Co-founder of 5 companies in the minimally invasive surgical field, including Surgical Structures which was sold to Bard in 2010.

Dr. Amir Szold. Laparoscopic Surgeon, C&M Advisor. A KOL in laparoscopic surgery, Chairman, Technology Committee at EAES, Ex-President of SMIT