

# 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:

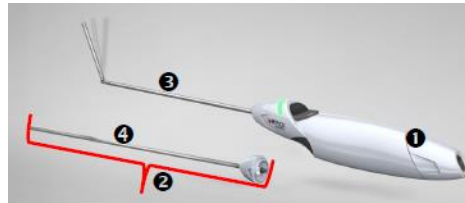
- Inability to access the mesh from the current trocar location. In order to complete the procedure, the surgeon has to insert at least one additional trocar.
- The surgeon often has to compromise and insert the tacks not vertical to the tissue.
- Each Tacker is limited to one type of anchor

## 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 ( $180^{\circ}$ - $100^{\circ}$ ) => 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 expanding company's portfolio by developing complementary products.

## Investment Sought –

The company is seeking a complementary investment of \$500,000 to an internal investment of \$750,000. The investment will enable the Company to establish a production line, to achieve CE & FDA approvals and conduct a Post-Market clinical trial.

## 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-

**Ziv Tamir, CEO.** Co-founder of 5 companies in the minimally invasive surgical field, including Surgical Structures and MST which were bought out.

**Gilad Heftman, R&D Manager** Mechanical and system engineer. Over 15 years' experience in bringing ideas to the MIS market. Led the development in four companies.

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