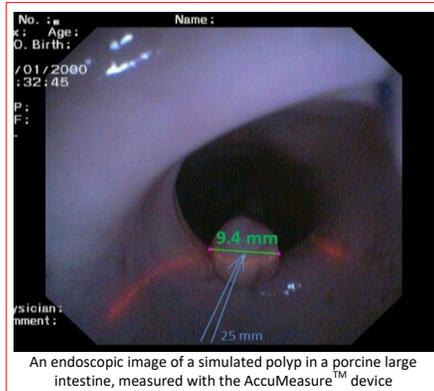


Company	
Founded	March 2016 (Incepted 2014)
Product	AccuMeasure™, a System for Endoscopic Measurements
Stage	Seed (Post Series A)
Key Market Data	
Colonoscopies in 2014	35.90M
Bronchoscopies in 2014	3.05M
CAGR	Over 6%
Competitive devices	None



The Team

Mr. Avishay Sidlesky, founder & CEO

The inventor of the Virtual Tape-Measure approach. Over twenty years of experience in multidisciplinary R&D and algorithms development.

Mr. Brian Sagi, chairman of the board

Dealmaker and technology entrepreneur. President and CEO of Cerian technology ventures.

Jonathan Scheff, MD, board member

Healthcare executive. Formerly Chief Medical Officer of Health Net.

Elazar Sonnenschein, Ph.D., advisor

Founder and inventor of the Medigus technology platform. Over 50 issued patents.

Mr. Oded Kraft, advisor

Medical device executive and entrepreneur with global corporates and startups experience.

Clinical Advisors

Michael Wolf, MD

Professor and Director of the Department of Otolaryngology - Head and Neck Surgery at Sheba Medical Center, Tel-Hashomer, Israel

Omer Goldstein, MD

Senior Gastroenterologist - Bnai-Zion Medical Center, Haifa, Israel

Ori Segol, MD

Chief of Gastroenterology - Carmel Medical Center, Haifa, Israel

Peter D. Siersema, MD

Professor of Endoscopic Gastrointestinal Oncology, Department of Gastroenterology and Hepatology, Radboud University Medical Center, Nijmegen, The Netherlands. Editor-in-Chief, *Endoscopy*

Seth A. Gross, MD

Associate Professor, Department of Medicine and Chief of Gastroenterology, NYU Langone Medical Center, NY, USA

Contact Us

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Overview

VTM Technologies is a development-stage company specializing in accurate and easy-to-use measurement solutions, with a clear vision of **enabling precision measurement as standard practice in endoscopy**. Eliminating physicians' subjective estimates, VTM's technologies significantly improve patient level of care, much like in Ultrasound, CT and MRI. The company is post Series A round and is currently backed by the Israel Innovation Authority. Additional investments will be considered on a per-case basis, in the context of Series B round.

Clinical Need

The use of an endoscope does not provide any sense of scale. It is therefore impossible for physicians to accurately measure and compare pathologies. Today, physician estimates are based on acquired expertise and approximate scale, and are inherently inaccurate. This leads to erroneous diagnoses, suboptimal treatment and follow-up -- a vast problem in many types of endoscopic procedures. The company is initially focusing on two "low hanging fruit" large markets: GI and ENT/Airways. Applications in GI include colonoscopy and Barrett's esophagus. Applications in ENT/Airways include tracheal stenosis and dynamic airways obstructions. In colonoscopy, a large unmet need exists for a simple and effective means for providing measurements^{1,2}. In 2014, an estimated 18.5 million colonoscopies were performed in the US (6.4% CAGR)³ with 17.4 million in the rest of the world, excluding the Asian market. In the same year, an estimated 3.05 million bronchoscopies were performed worldwide (6.1% CAGR).

1. Polyp Guideline: Diagnosis, Treatment, and Surveillance for Patients With Colorectal Polyps, ACG, 2000, p. 3054

2. Screening and Surveillance for the Early Detection of Colorectal Cancer and Adenomatous Polyps, 2008, p.152

3. Millennium Research Group, 2010

Competitive Landscape and Opportunity

Some of the prominent players in the endoscopes and related devices markets are Olympus, Fujifilm, Pentax Medical, Karl Storz, Stryker, Medtronic, Boston Scientific and Cook Medical. To date, no commercially available video endoscope has the ability to perform measurements. VTM's technologies can operate as an independent device, integrated into existing tools, or embedded into a 3rd party OEM's endoscopy systems. This presents a range of natural collaboration opportunities for the company.

Solution

VTM Technologies developed an easy-to-use approach to taking highly accurate (sub-mm) 3D measurements in endoscopic procedures. The system contains a laser line emitter – the AccuMeasure™ device – operated at the tip of the endoscope, and stationary or handheld equipment for conducting and displaying measurements. Several configurations of the device exist, including a disposable add-on and a reusable through-the-scope tool, suitable also for small diameter endoscopes. The laser line is used as a **virtual tape-measure**. It records longitudinal cross-sections, and enables the reporting of size & diameter of polyps, diameter of airways, and more. Acquired images and measurements are stored in the patient's medical records for follow-up. A paper was published last year in Gut – one of the leading journals in GI, on an ex-vivo animal study conducted with a prototype of the device, demonstrating outstanding results.

Intellectual Property

PCT and National patent applications have been filed on the device and concept. US patent 9,545,220 was issued in January 2017. Additional patents in process.

VTM Technologies' Unique Advantage

The company operates in existing markets with a current need, having a mature technology already available. It has multiple options for collaboration, some unrelated to the product under development. The company recently received a highly positive formal feedback from the FDA on the pre-submission of its AccuMeasure™ system for GI, indicating a straightforward and inexpensive regulatory process. Clinical evaluations expected Q2 2019 (US, EU, Israel), with commercial sales to follow.