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Company Profile

Industry Sector: Bio-Medical Imaging

Company Overview: Micron Optics, Inc. (MOI) is a vertically integrated company that conducts applied research, development, manufacturing, marketing, and sales in fiber-optic technology. With over 17 years of dedication, Micron Optics has generated best-in-class tunable technologies to enable a suite of innovative products including tunable filter and fiber grating sensor components, swept laser and optical sensing modules and instruments for use in fiber-optic sensing systems, optical networks, and bio-medical diagnostics.

Target Market(s): Diagnostic imaging for Healthcare, Industrial Manufacturing, and Defense & Security.

Imaging	Resolution	D
Ultrasound	500µm	10-
OCT	2 - 50µm	2 -
MOI OCT	Superior	Su

Management

Leadership:

- Jeff Miller, President and CEO, 18 years experience in Fiber-Optics industry as a program manager and company executive.
- Andrei Csipkes, COO and Executive VP, 17 years experience in Fiber-Optics industry as an operations manager and company executive.
- Kevin Hsu, Ph.D, VP Research & Advanced Technologies, 23 years experience in Fiber-Optics & Laser industry as a technology & market developer.
- Tom Graver, Director of Sales Marketing, 16 years experience in technology sales Todd Haber, Director of Product Development, 11 years experience in Fiber-Optics & Laser industry as a product developer.

National Institutes of Health

National Institutes of Health Commercialization Assistance Program (NIH-CAP)

Key Value Drivers

Technology: MOI's innovative laser system forms the core platform in swept source optical coherence tomography (OCT) which offers 100 times better resolution than ultrasound technique, and can enable various pre-clinical and clinical applications including in-vivo diagnosis of pathological diseases and early cancer formation in human tissue, 3-dimensional mapping, realtime intrasurgical guidance, drug discovery, and genomics.

Competitive Advantage: MOI provides the highest performance swept laser technology with wellprotected IPs, the key ingredient in the OCT imaging system. In addition to the capability to provide high-resolution and deep imaging, the laser's inherent fiber-optic platform is ideal for compact embodiment and robust field deployment.

Plan & Strategy: Market entry and validation in ophthalmic, cardiovascular, and gastrointestinal imaging by offering laser modules and systems, while developing OEM opportunities and joint ventures with system integrators.

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Product Pipeline

Swept Laser Module

Swept Laser System

OCT Engine