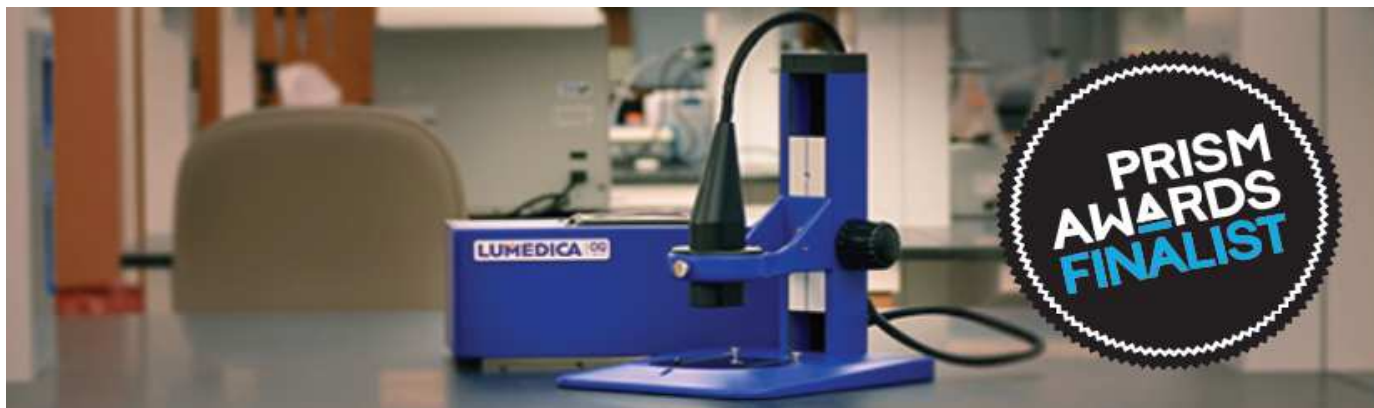


MD INNOVATION TECH GMBH **OQ LabScope 2.0/3.0/R** **/3.0/XR**



AFFORDABLE OPTICAL COHERENCE TOMOGRAPHY OCT **GREAT OCT PERFORMANCE**

IT'S OCT. RE-IMAGINED

Because of its patented, low-cost architecture, the OQ LabScope enables researchers, innovators and educators to take advantage of OCT's powerful imaging capability.

IT'S AFFORDABLE

The OQ LabScope's price is a fraction of any other OCT system. Now, finally many laboratories will be able to afford this technology.

IT'S ACCURATE

The OQ LabScope generates 512 pixel x 512 pixel images, matching the performance of OCT units costing three times as much.

IT'S COMPACT

The OQ LabScope is about the size of a shoe box, won't crowd your bench – or require a special cart.

IT'S EASY TO USE

Focus on science, not on setup. The software is simple, so you can generate images quickly.

IT'S CUSTOMIZABLE

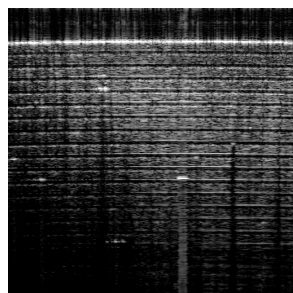
The OQ LabScope can be configured for specific applications upon request

IT'S MODELS

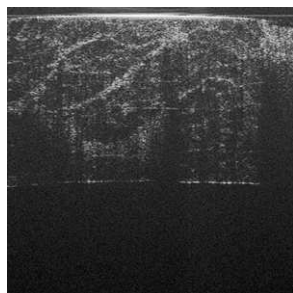
- Base Model: Engine + Scanner + Integrated PC.
- Option Workstation Package: Scanner Stand, Monitor, Keyboard, Mouse
- Option Extended Support: One year of extended support & service
- Option Portability Package: Portable Monitor, Keyboard & case
- Option High-Powered SLD Light Source

Dimensions

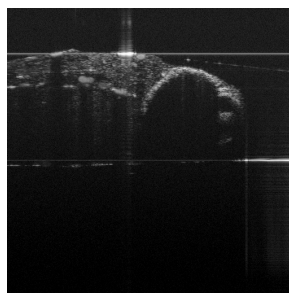
System Size (w/d/h)	19 cm x 33 cm x 15 cm
Scanner Size (w/d/h)	4,1 cm x 17.2 cm x 6,7 cm
System Weight	2,72 kg



1. Layers of Scotch Tape



2. Bacon



3. Zebra Fish

MD INNOVATION TECH GMBH LabScope OQ Series Performance Comparison

	LABSCOPE 3.0	LABSCOPE 3.0 /R	LABSCOPE 3.0 /XR	LABSCOPE 3.0 /SX	STRATASCOPE 1.0	LABSCOPE 2.0
Center Wavelength	840 nm	850 nm	850 nm	880 nm	1310 nm	840 nm
Axial (Depth) Resolution in Air / in Tissue	8 µm / 6 µm	5 µm / 3 µm	5 µm / 3 µm	3 µm / 2 µm	14 µm / 10 µm	8 µm / 6 µm
Axial Scan Range (Imaging Depth) in Air	3 mm	2 mm	1 mm	1,5 mm	6 mm 4,5 mm in tissue (maximum theoretical)	2,5 mm
Transverse Resolution	18 µm	18 µm	18 µm	15 µm	20 µm	18 µm
Transversal (Linear) Scan Range	7 mm	7 mm	7 mm	7 mm	8 mm	7 mm
Volume Scan Range	5 mm x 5 mm	5 mm x 5 mm	5 mm x 5 mm	5 mm x 5 mm	5 mm x 5 mm	5 mm x 5 mm
A-Scan Line Rate	34.000 kHz	34.000 kHz	80.000 kHz	80.000 kHz	16.000 kHz	13.000 kHz
B-Scan Image Rate	22 b-scans / sec	22 b-scans / sec	50 b-scans / sec	50 b-scans / sec	11 b-scans / sec	10 b-scans / sec

OPTIONS OQ Labscope

Workstation Package

Monitor, mouse, keyboard. and scanner

High Speed Line Scan Upgrade

Upgrade to 80.000 a-scans per second

Scanner Stand

Perform more stable scans, hands-free

Microscope Objective Set

40x: 5 mm linear, 3,5 mm x 3,5 mm volume
10x: 2,5 mm linear, 1,8 mm x 1,8 mm volume
40x: 1 mm linear, 0,7 mm x 0,7 mm linear

Single High Powered Light Source

15 mW SLD for 3.0 and /x

Portability Package

Portable monitor, mouse, keyboard, scanner stand and durable pelican case

Borescope

Integrate Scanner with Borescope

Foot pedal

Hands-free image capture ideal for one operator

Camera

Integrate with visible camera and light source

Double High Powered Light Source

Two 15 mW SLD for /R and /RX

Retina Optics (Research use onle)

Scanning optics to image the retina

Chin Rest (Research use only)

Chin Rest for sample with stage for scanner

Extended Depth Range

930 nm center wavelength

MD INNOVATION TECH GMBH **LabScope OQ Series Performance Comparison**

OPTIONS OQ STRATASCOPE

Workstation Package

Monitor, mouse, keyboard. and scanner

Portability Package

Portable monitor, mouse, keyboard, scanner stand and durable pelican case