

# MD INNOVATION TECH GMBH OQ STRATAScope 1.0



## AFFORDABLE OPTICAL COHERENCE TOMOGRAPHY OCT IT'S OCT. ONLY DEEPER

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At 1310 nm you can image about twice as deeply as with our 840 nm OCT, the OQ LabScope. That means more imaging information from tissue including skin, bone, teeth and industrial samples such as silicon.

### IT'S FLEXIBLE

OQ StrataScope software includes horizontal, vertical, radial, and circle scans. Size can be set for all scan types. Volume images (C-scans) can be captured with sizes ranging from 64 x 64 up to 512 x 512 voxels.

### IT'S ACCURATE

Generate accurate, reliable data to examine and monitor and measure tissue structures and gauge product integrity.

### IT'S COMPACT

The OQ StrataScope is about the size of a shoe box, so it won't crowd your bench -or require a special cart.

### IT'S EASY TO USE

Focus on science, not spending time trying to generate images. Integrated computer includes wifi for easy access to your network.

### 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

### Laboratory-Grade Performance

Center Wavelength	1310 nm
Imaging Depth	4,5 mm in tissue (maximum theoretical)
Depth Resolution	14 µm in air 10,0 µm in tissue
Transverse Resolution	20 µm
Scan Range	7 mm linear 5 mm x 5 mm volume
A-Scan Line Rate	18000/sec
B-Scan Image Rate	30/sec
Sensitivity (OSNR)	100 dB
Image Size	512 x 512 pixels
Output Power	~2 µW
System Size	D 33 cm x W 19,1 cm x H 15 cm
Scanner Size (cm)	D 17,2 cm x W 4,1 cm x H 6,7 cm
System Weight	2,72 kg