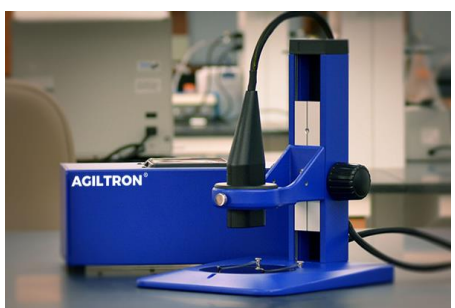


# LabScope

Affordable OCT

## Product Description

The OQ LabScope generates 512 x 512 pixel images, with axial resolution of 7  $\mu\text{m}$  in air (5  $\mu\text{m}$  in tissue), an imaging depth of 2.8 mm (2 mm in tissue), and a lateral depth resolution of 15  $\mu\text{m}$  — matching the performance of OCT units costing three times as much. It's compact. No other OCT has the footprint of the OQ LabScope. Roughly the size of a shoe box, including the integrated computer, our OCT system will not crowd your bench, or require you to buy special cart in order to use it. Even better, it can be easily stored when not in use.



## Features

- Affordable
- Accurate
- Compact
- Easy to use
- Widely compatible

## Specifications

Image Size	512px x 512px
Depth Resolution	7 $\mu\text{m}$ in air, 5 $\mu\text{m}$ in tissue
Transverse Resolution	15 $\mu\text{m}$
Scan Range	7mm x 7mm
A-Scan Line Range	8,800/sec
B-Scan Image Range	12/sec
Center Wavelength	840nm
Sensitivity (OSNR)	100 dB
Output Power	750 $\mu\text{W}$
System Size (inches)	13w x 7.5d x 6h
Scanner Size (inches)	4.5w x 2.5d x 1.9h
System Weight	6 lbs.

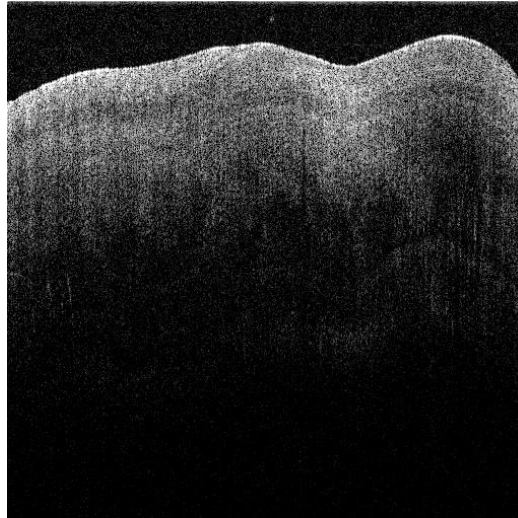
## Applications

- Education
- Life Science
- Industrial
- Pre-Clinical
- OEM

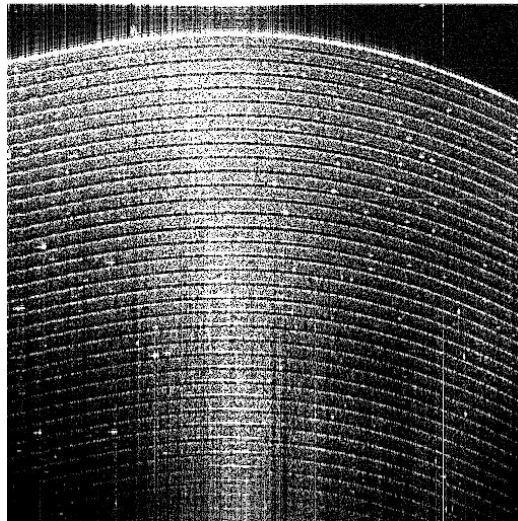
# LabScope

Affordable OCT

Example I:  
Tooth enamel



Example II:  
Scotch tape



## Ordering Information

**P/N: POLS-840**

\*Product dimensions may change without notice. This is sometimes required for non-standard specifications.