

Optical switch integrated OCT system

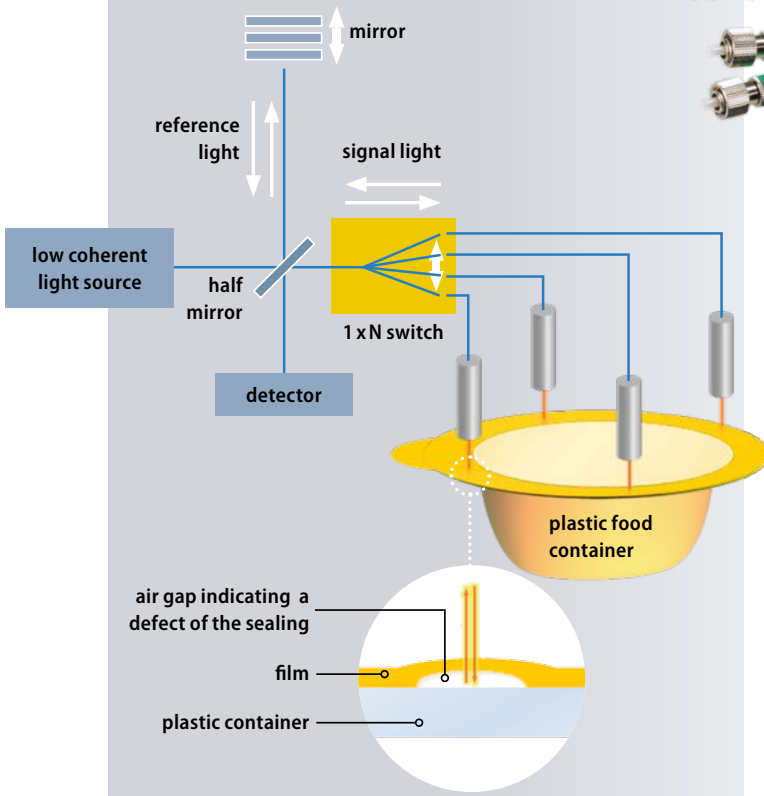
(Optical coherence tomography)

FiberSwitch®

Light Switching for Optical Systems



Sealing inspection of plastic food container



If there is a defect in the sealing of a food container, a reflection signal indicating the peeling of the film is detected in an OCT measurement.

By integrating an optical switch, the measurements can be performed at multiple spots in a short time.

LEONI supplies various types of singlemode switches, including polarization maintaining switches, suited for OCT measurements.



Spectral range		VIS	NIR I	NIR II	IR
Number of channels		1x2, 1x4, 1x8, 1x12 and 1x16 2x2, 2x4 and 2x8 (other channel counts on request)			
Operating wavelength	[nm]	400 – 670	600 – 900	900 – 1200	1260 – 1380 1480 – 1650
Switching frequency	[s ⁻¹]	≤ 50			

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