

# Single-Bounce Monocapillary X-ray Optics

## Synchrotron Micro X-ray Analysis

A single-bounce monocapillary optic can convert incident parallel X-rays to a micron-sized focal spot by total reflections. It offers a large working distance which is the most unique feature of this type of capillary X-ray optic. XOS is launching the single-bounce monocapillary optic specifically for synchrotron beamline applications where large working distance is crucial, and the incident parallel X-rays are readily available.

## Features & Benefits

- Micron-sized focal spot with large working distance
- Flux density gain up to three orders of magnitude
- Compact and easy mount
- Broadband energy range
- Custom design and solutions



The optic profile and packaging needs to be precisely controlled to achieve the optimal focusing of X-rays.