

# nPA-400 Refractive Index Profiler

## Arden Photonics

**Ed Robinson**  
**Product Design Manager**



[www.ardenphotonics.com](http://www.ardenphotonics.com)



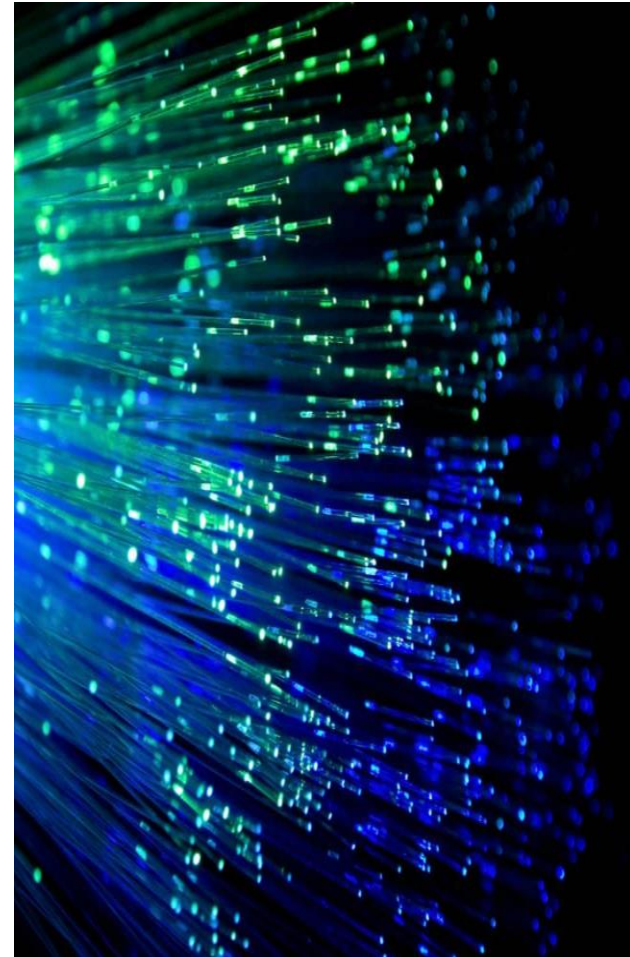
# Arden Photonics

Arden Photonics design and manufacture innovative test equipment and components for the Photonics industry

Experts in metrology for specialty optical fibers

Founded in 2001

Based near Birmingham, UK





# nPA-400 Refractive Index Profiler

The nPA-400 Refractive Index Profiler is the quick and easy way to get the Refractive Index data you need to verify your specialty fiber design and manufacturing processes.

The nPA-400 uses a modified refracted near-field technique to analyse a fiber end-face to determine the full 2D refractive index distribution.





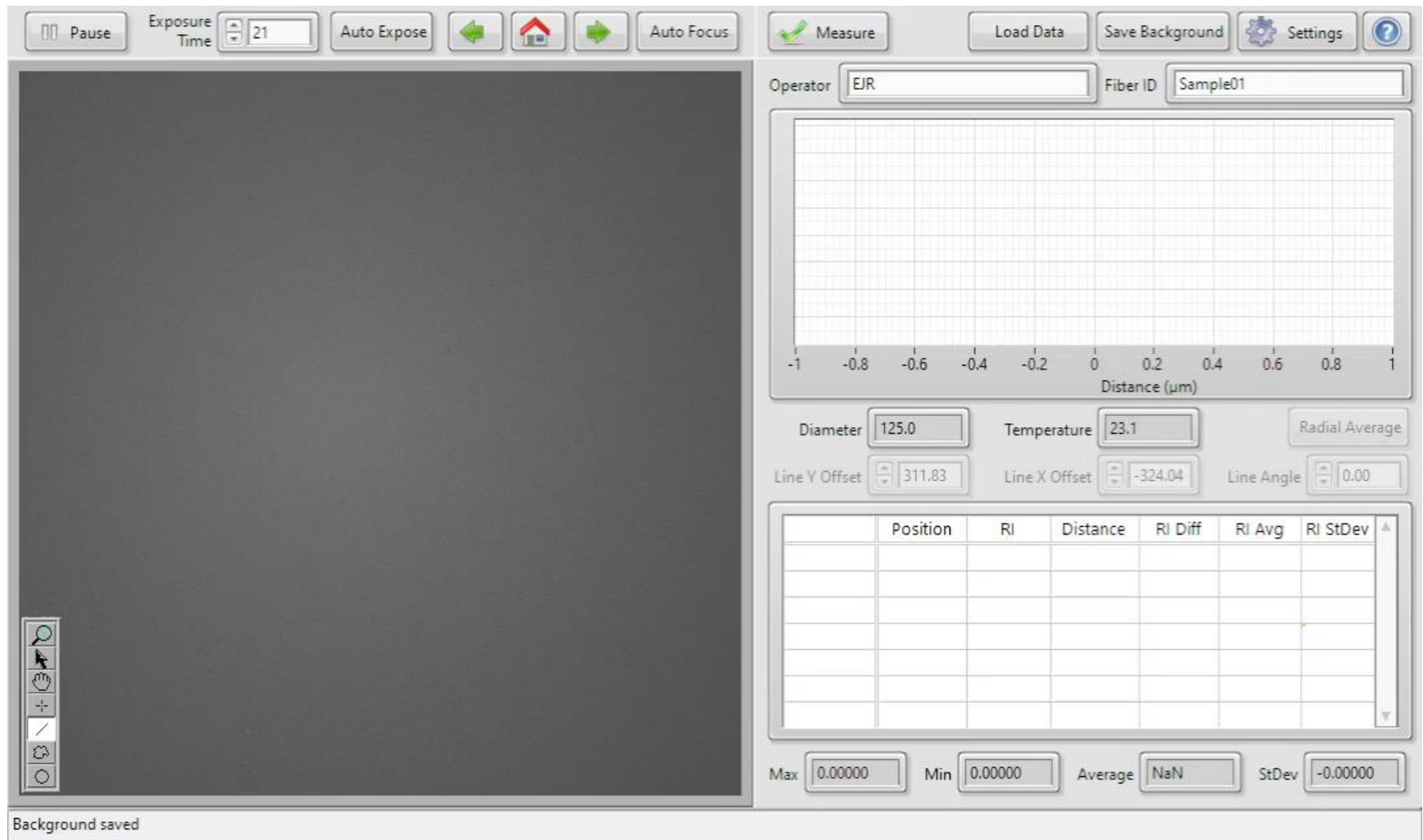
# nPA-400 Refractive Index Profiler

- Measure a fiber sample in less than one minute
- Measure full 2D profile instantaneously  
– no time-consuming data reconstruction
- Measure fibers up to 400  $\mu\text{m}$  in diameter
- Measure non-circularly-symmetric fibers  
– suitable for measuring PM, octagonal, multicore fibers
- Traceable calibration

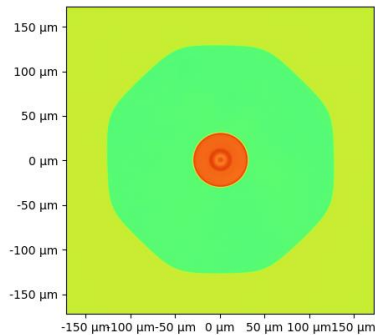
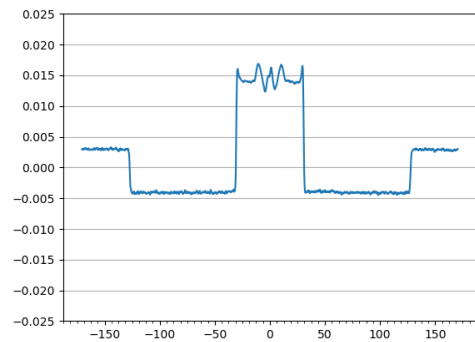




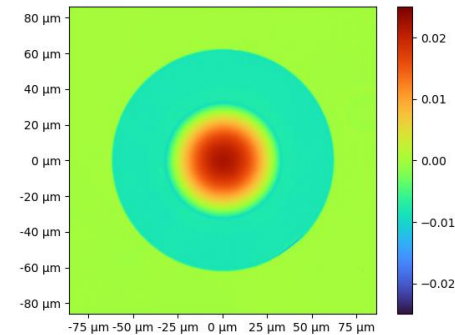
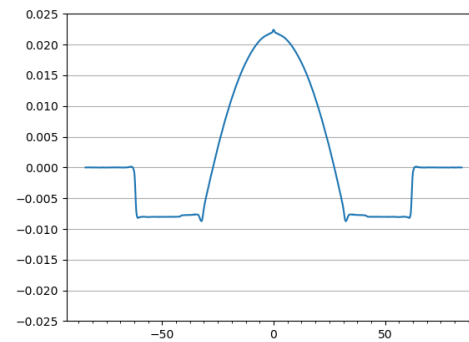
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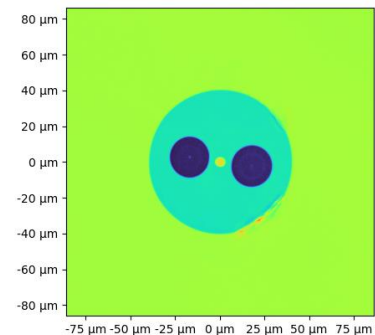
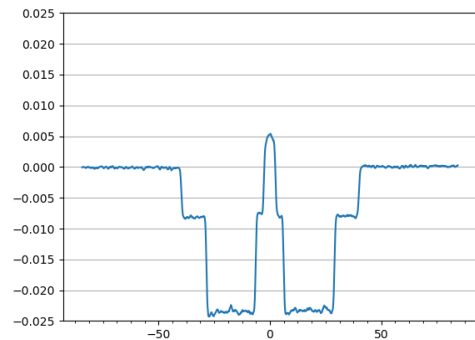
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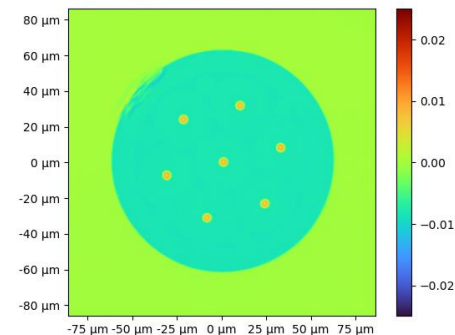
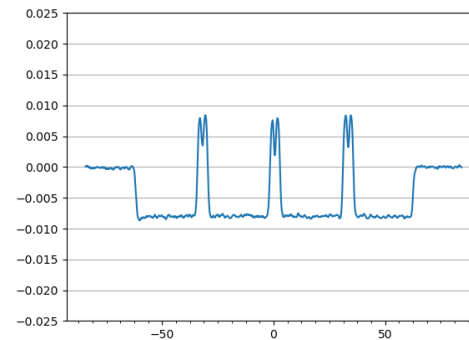
Octagonal Fiber



GI Multimode Fiber



Polarisation Maintaining Fiber



Multi-Core Fiber



# nPA-400 Refractive Index Profiler

The nPA-400 offers **fast, easy measurement** of full 2D Refractive Index profiles

It enables Refractive Index measurement of a **wide range of standard and specialty fibers** up to 400  $\mu\text{m}$  diameter



Thank you for your attention