A New Direction for Fiber Refractive Index Profiling

IFA-100 Multiwavelength Optical Fiber Analyzer

- Multiwavelength
- No cleave required
- Sub-µm spatial resolution
- Applicable to any fiber type
- Fast measurement time
- Measure splices, tapers, couplers
Sample data:

IFA-100 specifications:

- Refractive index accuracy: +/- 0.0001
- Spatial resolution: ~ 500 nm
- Measurement wavelength: 500 nm to 1 µm
- Fiber diameter: 40 µm to 400 µm
- Fiber material: Silica glass, non-silica glass, plastic
- Concentricity error measurement: +/- 200 nm
- Core non-circularity error measurement: +/- 0.4%
- Fiber type: singlemode, multimode, microstructured (PCF), PM, multicore, rare-earth, cladding-pumped, large mode area, low bend loss, high-Δ, etc.

INTERFIBER ANALYSIS