OPTICAL FIBER MEASUREMENT SPECIALISTS

The Next-Generation Encircled Flux Meter

Setting a New Industry Standard with Automated, User-Independent Results

Ed Robinson

Product Design Manager, Arden Photonics

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Who are Arden Photonics?

OPTICAL FIBER MEASUREMENT SPECIALISTS

We are the only specialty fiber measurement specialists

Our Mission & Core Values

Our Mission

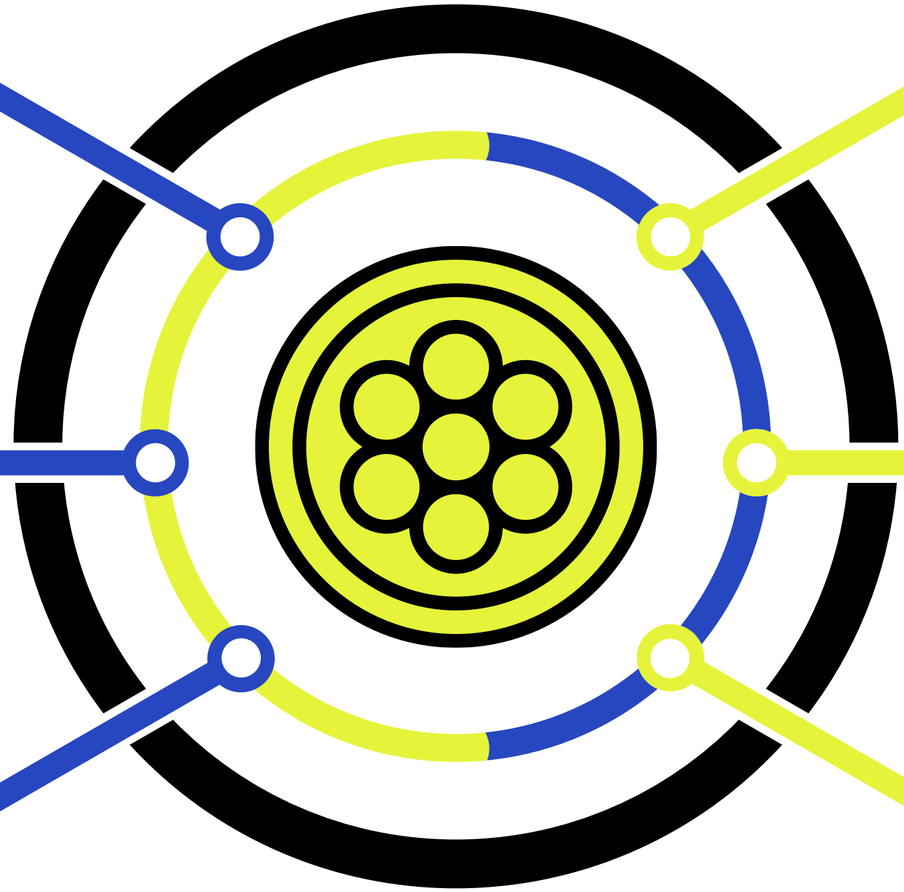
We help optical fiber manufacturers to make better optical fibers for a brighter tomorrow.

Our Core Values

- Precision
- Quality
- Customer Success

We measure most fibers.
Our Expertise are...

- Mode Controller & Multimode Launch
- Modal Content Analysis
- Interferometric end face inspection
- Refractive Index Profiling
- Fiber Geometry
- Fiber Rotational Alignment



Artificial Intelligence

Source: CANVA

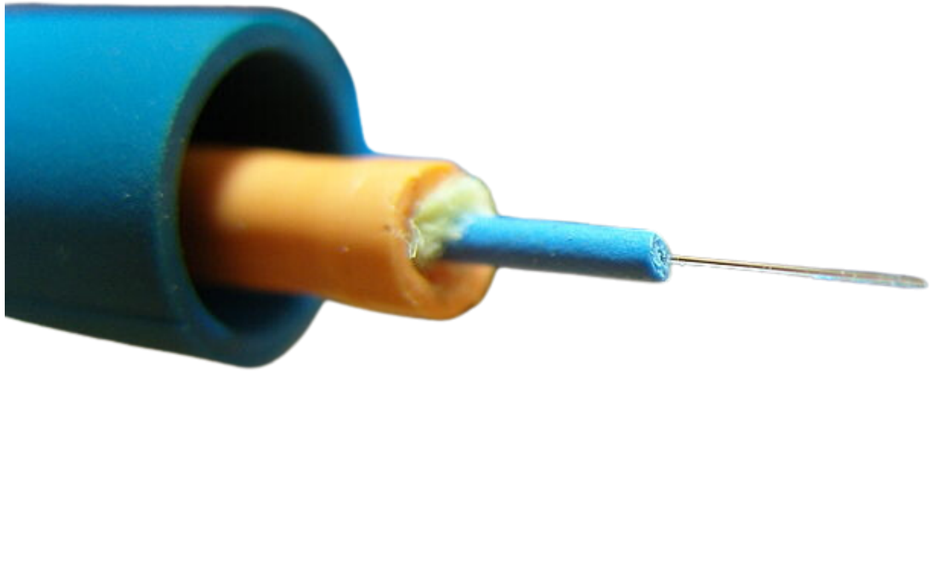
Cloud Computing

Source: CANVA

High Speed Data Centres

Source: CANVA

High speed multimode network



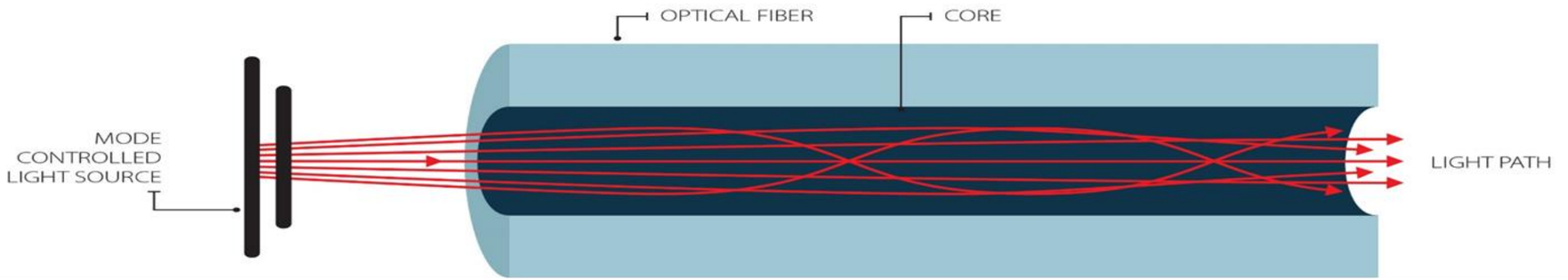
Multimode Fiber

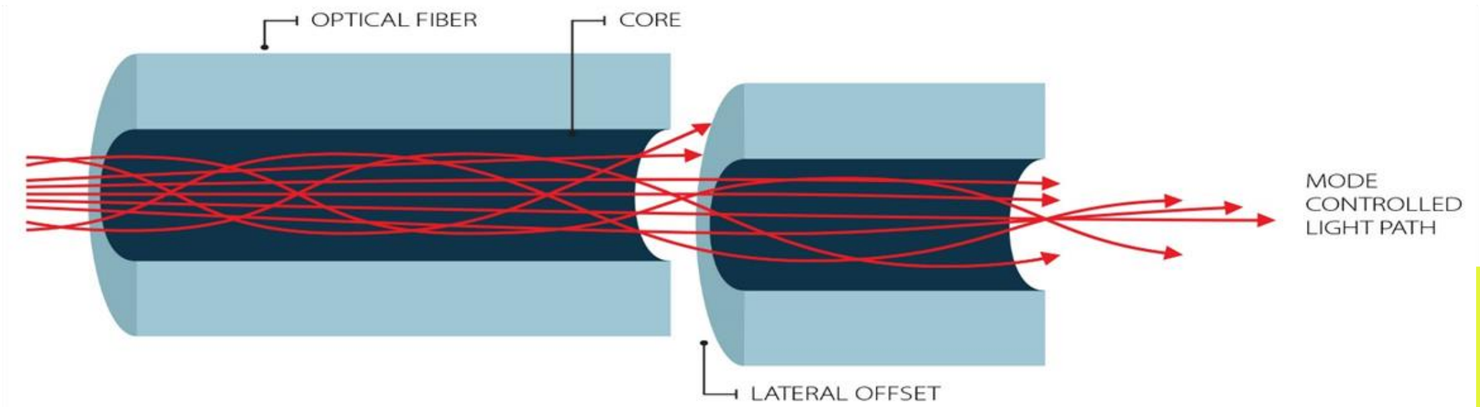
Multimode Transceiver

Source: Wikimedia Commons

Optimising multimode network - Encircled Flux (EF)

An encircled flux compliant launch





Improved Network Accuracy & Reliability

Standardised amount of light into higher order modes

Arden Solutions:

Encircled Flux Meter

Mode Controller

The Next Encircled Flux Meter - MPX-1A

MPX

Automatic Focus and Exposure

Ensure fast, precise, consistent and user-independent measurement results

Latest CMOS Camera Technology

Accurate and rapid measurements

Real-time Encircled Flux Measurement

Simplifies the process of assessing multimode network solutions

International Standards compliance

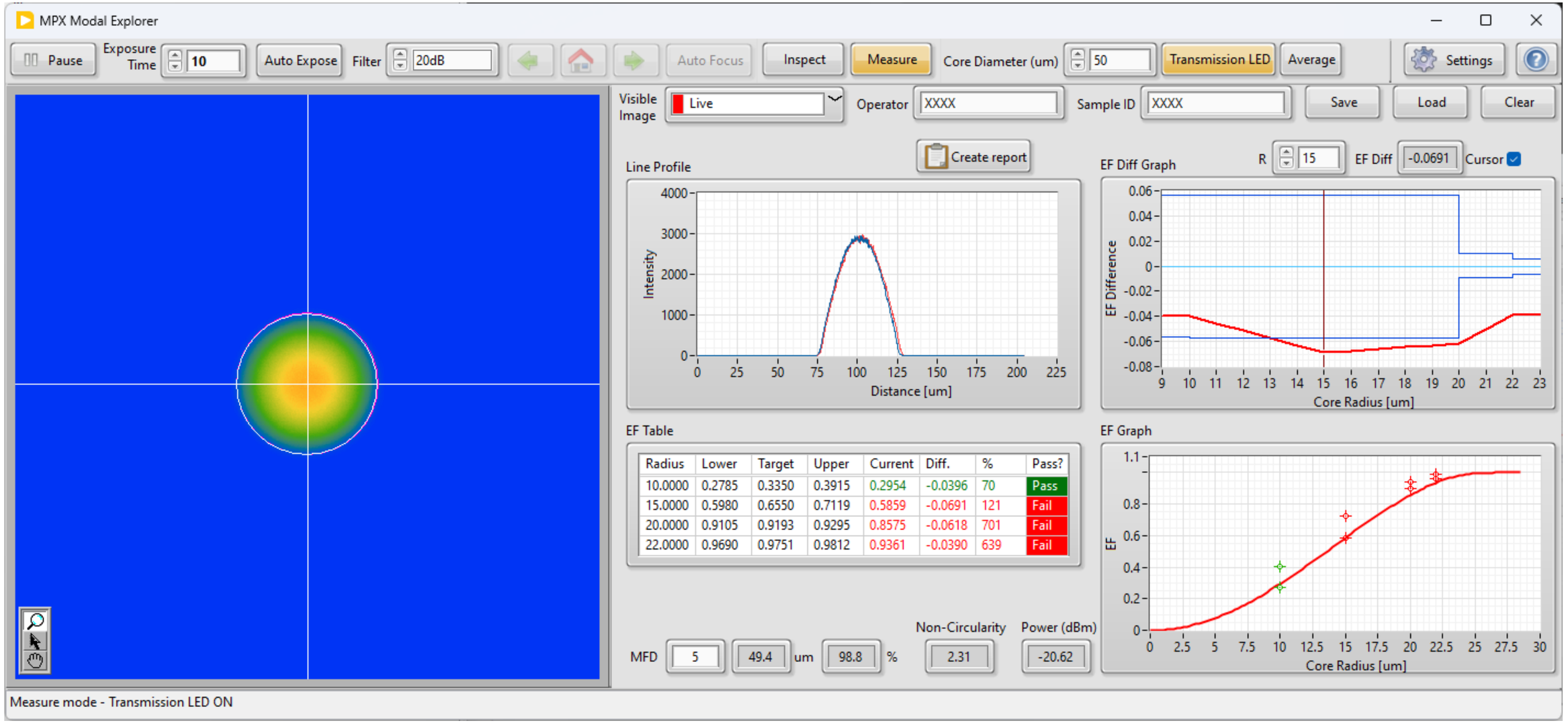
TIA-526-14-A, IEC 61280-4-1, TIA/EIA-455-203, IEC 61280-1-4, IEEE 802.3

Key Applications

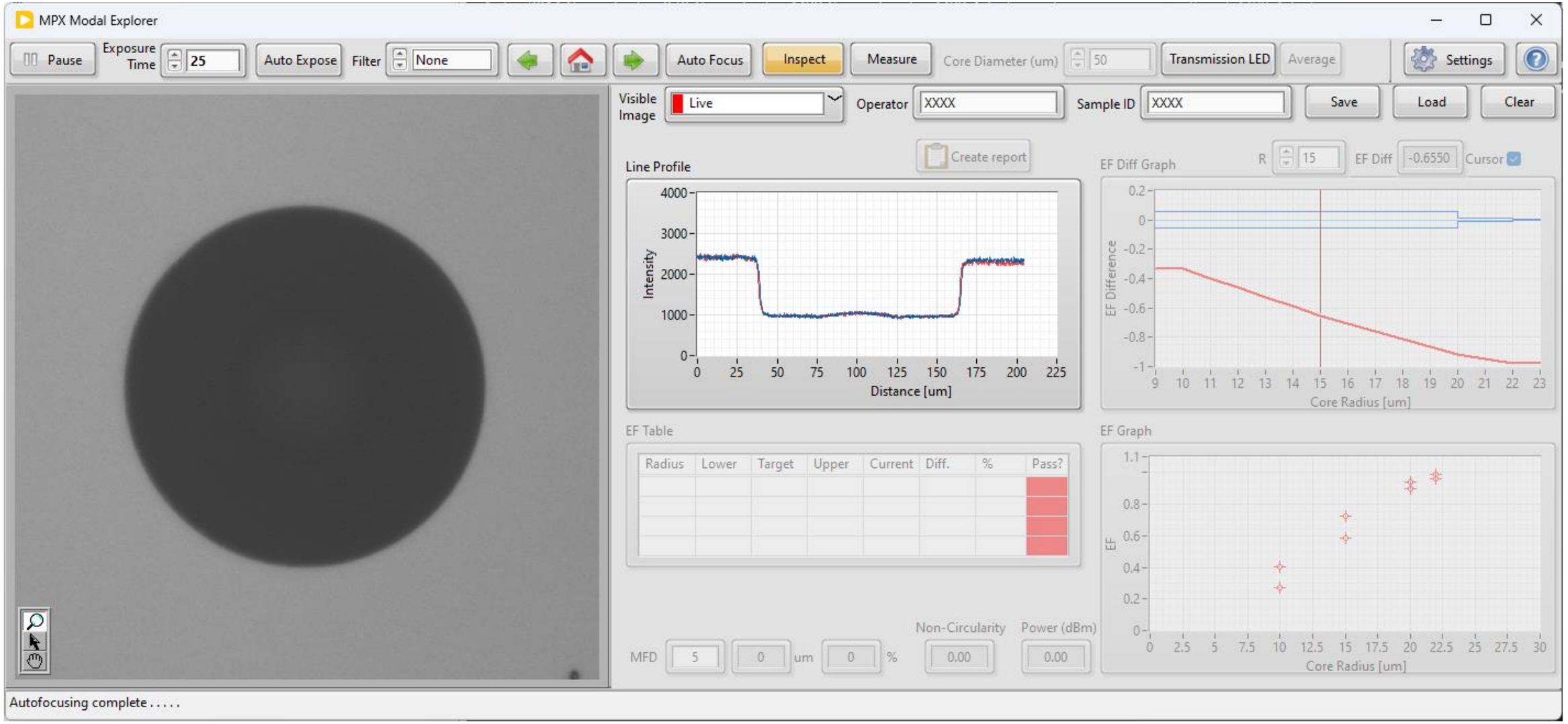
- Source and patchcord characterisation for IEC11801 and TIA/EIA568 LAN testing
- VCSEL characterisation for Gigabit Ethernet IEEE 802.3

- Mode-scrambler and mode-filter characterisation
- Measure sources to IEC 61280-4-1
- Alignment of pig-tailed light sources

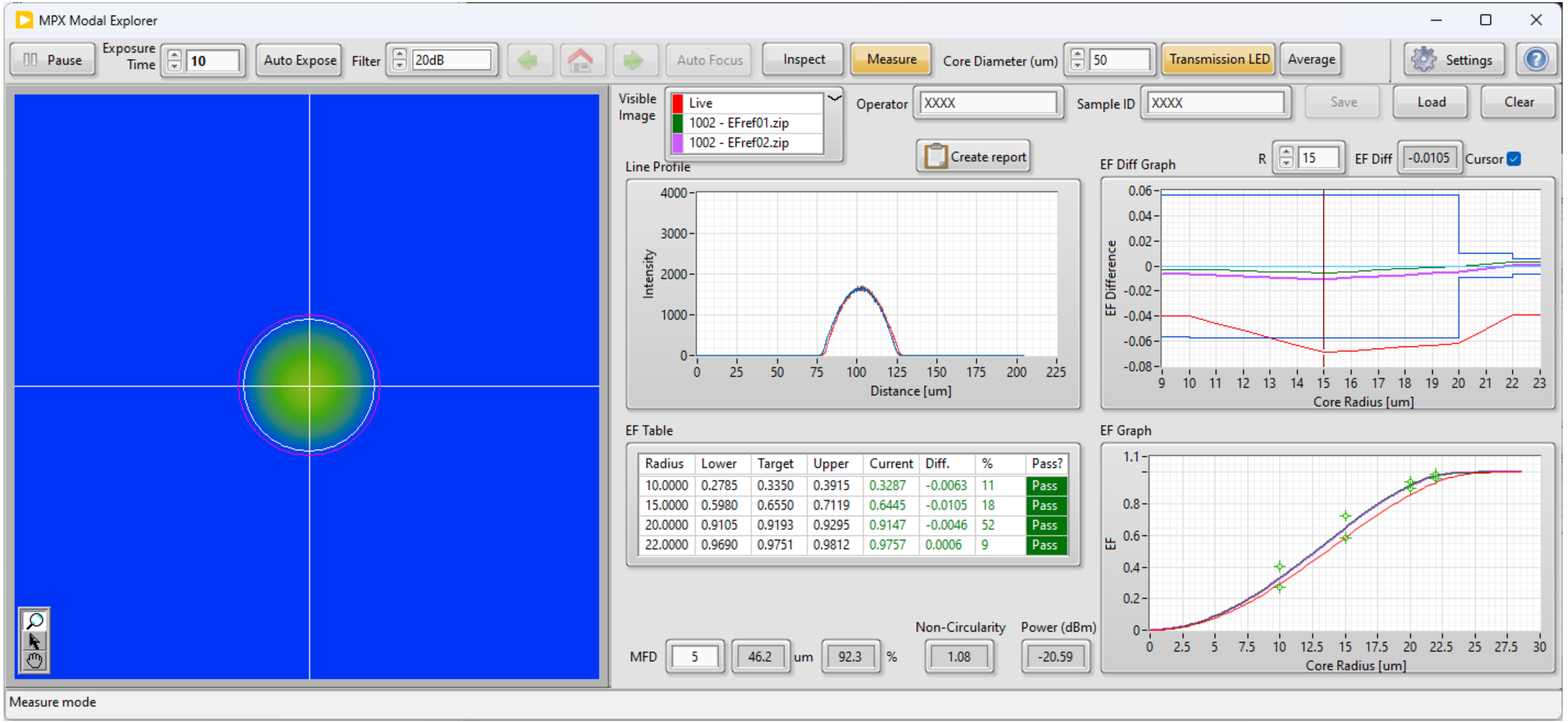
User Interface (Measure Mode)



User Interface (Inspect Mode)



User Interface (Result Comparison)



Contact Us

Arden Photonics Ltd

+44 (0) 121 733 7721

enquiries@ardenphotonics.com

www.ardenphotonics.com

Royston House, 267 Cranmore Boulevard, Shirley, Solihull, B90 4QT, UK

Rob Roach
Business Development Manager

+44 (0) 121 274 3189

rob.roach@ardenphotonics.com

Arden PHOTONICS

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