

## CONTACT US

Lambda-X s.A.

Av. Robert Schuman 102

B-1400 NIVELLES

Belgium

Phone: +32 67 79 40 80

Fax: +32 67 55 27 91

Email: [info@lambda-x.com](mailto:info@lambda-x.com)

# PMTF



[www.lambda-x.com](http://www.lambda-x.com)

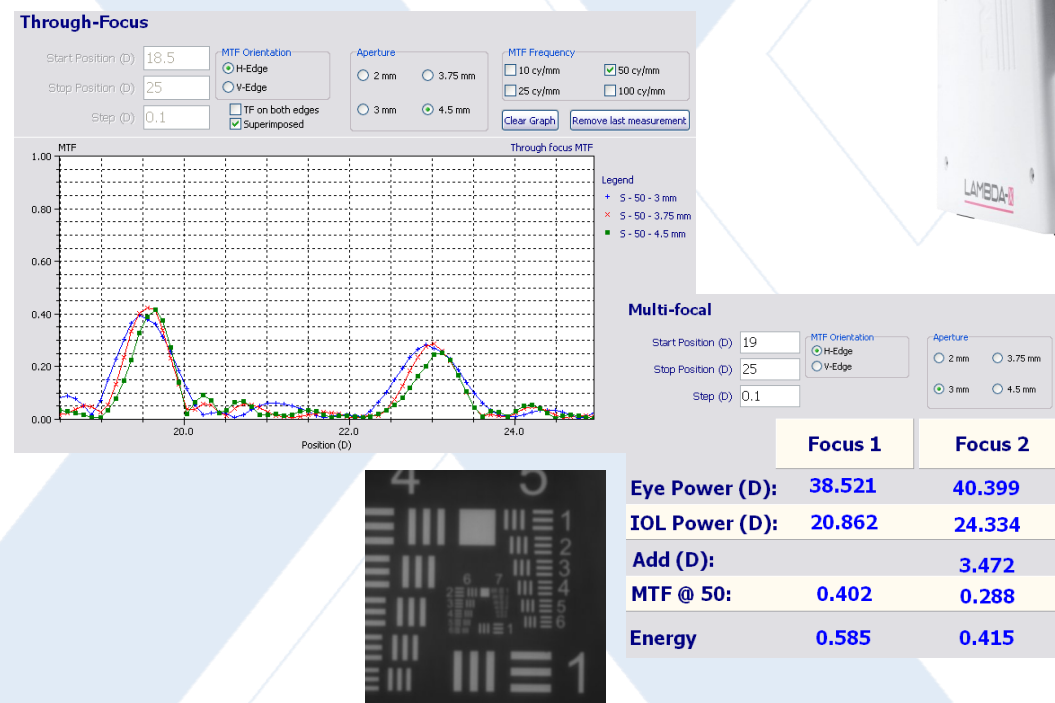
**LAMBDA-X**  
ADVANCED VISION & METROLOGY

## PMTF

for refractive & diffractive IOLs

### Real-time MTF & Power measurement of Toric, Multifocal & Multifocal toric lenses

- Automated measurement sequences
- Improved scanning speed
- Integrated USAF & Siemens targets
- Fitted with ISO eye model
- ISO11979 compliant
- Chromatic Kit (3 $\lambda$ )
- Exchangeable Model Eye
- Zemax compatibility verified



Designed to offer lens manufacturers real-time, high quality measurements of the optical power and modulation transfer function (MTF), the PMTF measures and characterizes **every type of IOL** (refractive & diffractive).

Hardware specifications	
Measurement principle	ISO11979-2 compliant power and MTF measurement
MTF orientation	Tangential and sagittal
Model Eye	ISO 11979-2 Model 1 (aberration free) or Model 2 (with spherical aberration) Custom Model Eye available on request
Wavelength	546 nm
Aperture diameter	2, 2.375 and 4.5 mm (standard), other on request
Speed of measurement	Real-time (10 Hz) MTF, through focus MTF 30 sec per 100 points
Operation	Automatic MTF, Through focus and Power measurement, incl. automatic detection of focus. *Optional automatic IOL centering (not for toric)
IOL power range	-10 D to 40 D
Lens holder	X-Y translation table for standard cuvette, tilt free IOL holder. *Optional motorized table for automatic IOL centering
Repeatability variance	0,01 D (ISO5725)
External dimensions	170 x 220 x 590 mm <sup>3</sup> (23 x 9 x 7 in <sup>3</sup> )
Power	100-240VAC / 50Hz-60Hz

Software specifications	
Single focus	MTF and power
Through focus	Through focus MTF at 100, 50, 25 or 10 cy/mm
Multifocal (*toric, plug-in)	MTF, power (*and cylinder) and at each focus (up to 3)
ISO through focus & ISO MTF	Automatic, ISO compliant
Operating mode	Single measurement (R&D), Production Batch
Interfacing	Bar code, TCP/IP—LabView compatible (optional)
Data output	SM: Save curves as image (BMP) or text file (CSV) PB: Batch report, one line per measurement, statistics