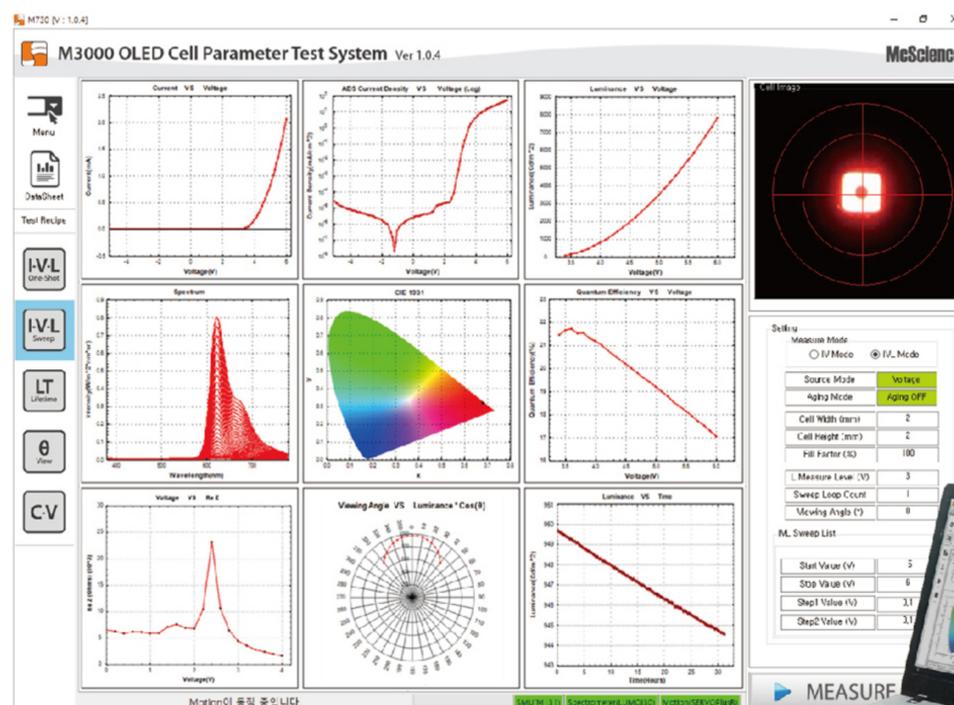


**M3000**Electrical, Optical & Thermal  
Imaging & Test Systems

# OLED Parameter Test System

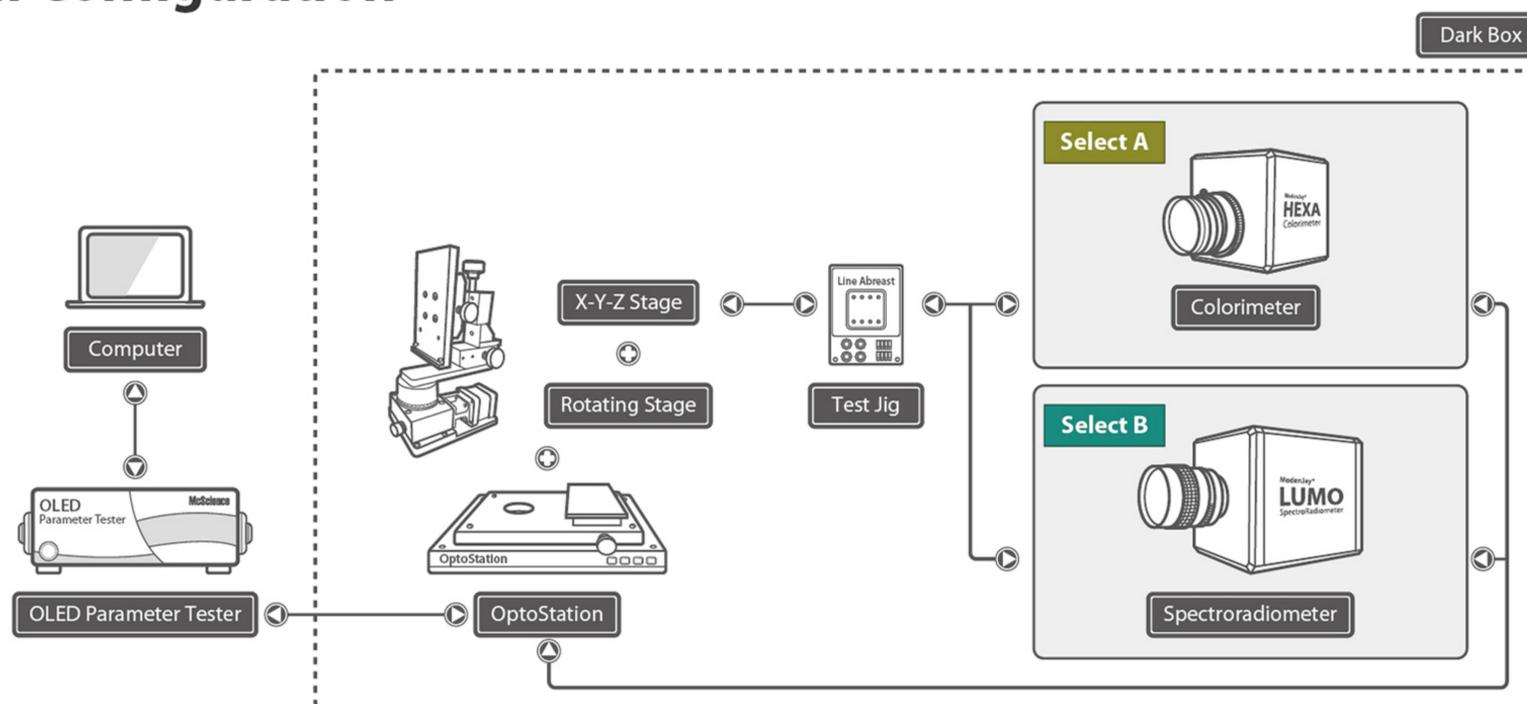
**All-in-one OLED/Display Cell Characterization, Compact and Omnibus**

M3000 OLED Parameter Test System consisting of McScience's brand-new LUMO Imaging SpectroRadiometer and OLED Parameter Tester, the technical combination of which analyzes the electrical & optical properties such as I-V-L, Viewing Angle, Color Coordinates, Spectrum, Luminance Imaging and Uniformity. This equipment designed for a high-precision and high-accuracy measurement is suitable for various researches associated with display performance and characterization for OLED, QLED, Micro and Mini LED.

**OLED** + **I-V-L** + **View Angle** + **Lifetime** + **Spectrum**
**Luminance** + **Color** + **Image** + **Uniformity**
**I-V-L / Lifetime****Spectrum / Luminance / Color****Current Efficiency / Power Efficiency / Quantum Efficiency****Luminance Imaging / Uniformity / SSIM****View Angle Measurement****Temperature Dependence**

Copyright© McScience Inc. All Right Reserved.

## System Configuration



## System Components



<Imaging SpectroRadiometer>



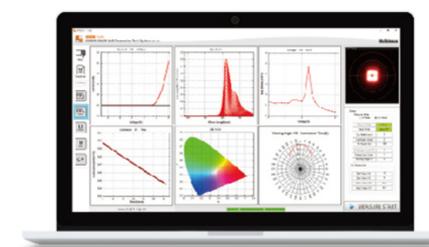
<OLED Parameter Tester>



<Test Jig>



<OptoStation>



<OLED Parameter Test Software>

## System Specification

Product Name		M3000 OLED Parameter Test System				
Voltage	Source Range	-20V ~ +20V				
	Source Accuracy	$(\pm 0.05\% \text{ of Set Value}) \pm 5\text{mV}$				
	Measurement Range	-20V ~ +20V				
	Measurement Accuracy	$(\pm 0.05\% \text{ of Measured Value}) \pm 5\text{mV}$				
Current	Source Range	500mA	10mA	100 $\mu$ A	1 $\mu$ A	10nA
	Source Accuracy	500mA ~ 10nA : $(\pm 0.05\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$				
	Measurement Range	0 ~ 10nA : $(\pm 0.2\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$				
	Measurement Accuracy	500mA ~ 10nA : $(\pm 0.05\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$				
Wavelength Range / Resolution		380nm ~ 780nm / 1nm		Measurement Luminance Range (for standard illuminant A)		0.1 ~ 100,000cd/m <sup>2</sup>
Accuracy: Luminance (for standard illuminant A)		$\pm 2\%$ (1 ~ 100,000cd/m <sup>2</sup> )		Accuracy: Chromaticity (for standard illuminant A)		x,y : $\pm 0.003$ (1 ~ 100,000cd/m <sup>2</sup> )
		$\pm 5\%$ (0.1 ~ 1cd/m <sup>2</sup> )				x,y : $\pm 0.005$ (0.1 ~ 1cd/m <sup>2</sup> )
Measuring Distance		132mm		Measuring Angle / Diameter		0.2° / $\varnothing 1.0\text{mm}$