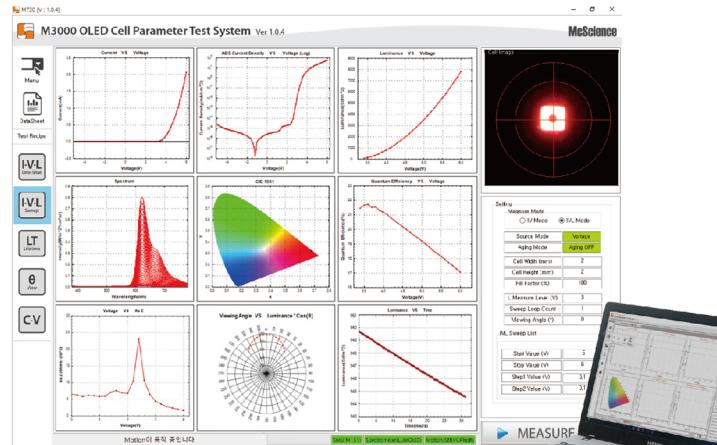


**M3000****Electrical, Optical & Thermal  
Imaging & Test Systems**

# OLED Parameter Test System

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

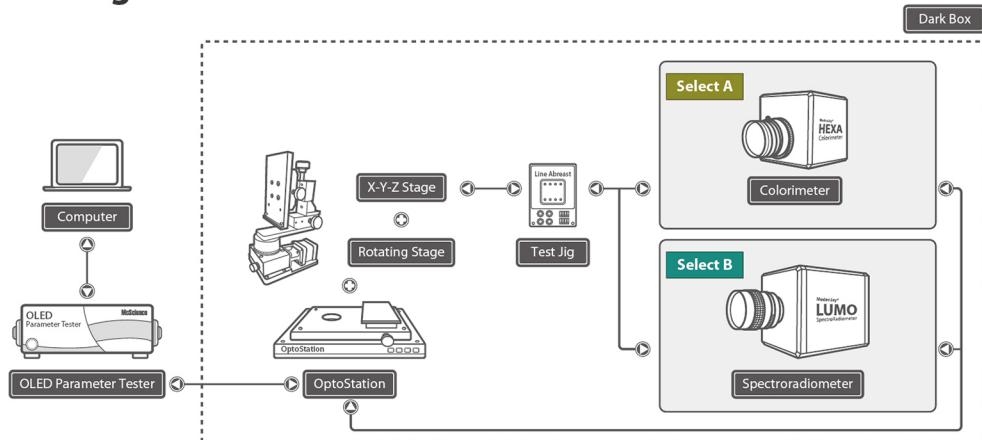
M3000 OLED Parameter Test System consisting of McScience's brand-new LUMO Imaging SpectroRadiometer and OLED Parameter Tester, the technical combination of which analyzes the electrical & optical properties such as I-V-L, C-V, Viewing Angle, Color Coordinates, Spectrum, Luminance Imaging and Uniformity. 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.

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

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## System Configuration



## System Components



&lt;Imaging SpectroRadiometer&gt;



&lt;OLED Parameter Tester&gt;



&lt;Test Jig&gt;



&lt;OptoStation&gt;



&lt;OLED Parameter Test Software&gt;



## System Specification

Product Name		M3000 OLED Parameter Test System					
Voltage	Source Range	-20V ~ +20V					
	Source Accuracy	( $\pm 0.05\%$ of Set Value) $\pm 5mV$					
	Measurement Range	-20V ~ +20V					
	Measurement Accuracy	( $\pm 0.05\%$ of Measured Value) $\pm 5mV$					
Current	Source Range	500mA	10mA	100µA	1µA	10nA	
	Source Accuracy	500mA ~ 10nA : ( $\pm 0.05\%$ of Set Value) $\pm (0.1\%$ of Range Full Scale)					
	Measurement Range	500mA	10mA	100µA	1µA	10nA	
	Measurement Accuracy	500mA ~ 10nA : ( $\pm 0.05\%$ of Set Value) $\pm (0.1\%$ 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° / Ø1.0mm	