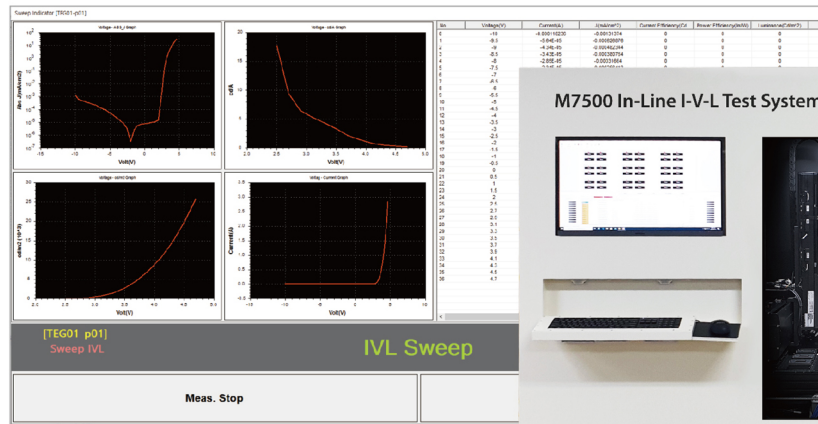


**M7500****Electrical, Optical & Thermal  
Imaging & Test Systems**

# In-Line I-V-L Test System

## Automatic Test System of Various Characteristics of OLED/Display Unit Devices

M7500 In-Line I-V-L Test System is an automated system which measures Current-Voltage-Luminance characteristics of display device. It is composed of an in-line automatic control system that holds multiple samples at once and discharges them after electrical and optical measurements, making it convenient in measuring multiple samples. It can be applied to various types of samples through design changes of jig pallet, and a MES function that supports smart factory construction can also be used.

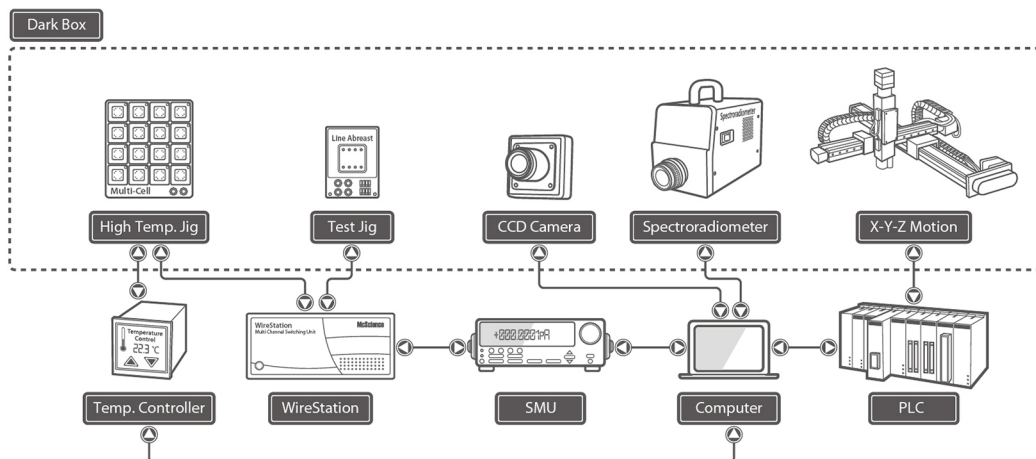
**In-Line****Multi-Channel****Sequence****PLC****I-V-L**

Unit Cell / Panel / Module  
Automated Measurement  
Multi-channel Electrical & Optical Test  
Luminance / Color / Spectrum  
Current / Power / Quantum Efficiency  
Auto-Align & Auto-Focusing Function  
Individual Temperature Control  
MES Interface

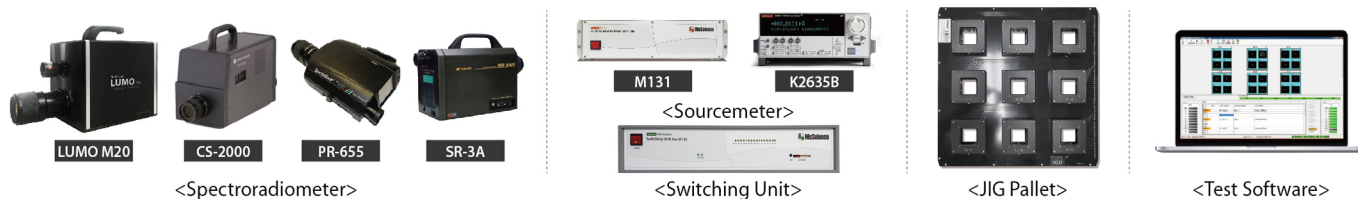
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## System Configuration



## System Components



## System Specification

Model Name	M7500 In-Line I-V-L Test System
Sample	Display Unit Cell / Panel / Module
Stage Configuration	Sample Loading/Unloading by Jig Pallet, Automatic Transfer Stage(Linear Motor Control Type) Optical Meter Holder and X-Y-Z Automatic Transfer Stage
Optical Test Unit	CCD Camera and Monitor for Automatic Focus Measurement Verification Spectroradiometer / Colorimeter / Luminance Meter
Electrical Test Unit	SMU / Pattern Generator Switching Unit for Channel Switching(1 : 36)
Temperature	Temperature Range : RT°C ~ 85°C / $\pm 1^\circ\text{C}$ Accuracy
Measure Software	Electrical/Optical Characteristic Measurement Software(MES Interlocking)
Measure Item	Current, Voltage, Luminance, Spectrum, Current Density, Power Efficiency, Luminous Efficiency, Quantum Efficiency, Color Coordinate, Luminous Image, Time
Power	AC220V, 50~60Hz, Three-phase, 50A
Size	< 2500mm (W) x 1500mm (D) x 2000mm (H) (without Light Tower)
Weight	< 500kg