



# Solar Cell In-Line Inspection System

K3500

## In-Line Automatic Inspection and Cell Sorting

This system provides total solution for in-line solar cell inspection and automatic sorting based on I-V test, luminance imaging and optical inspection.



Automatic Cell Inspection

Automatic Cell Sorting

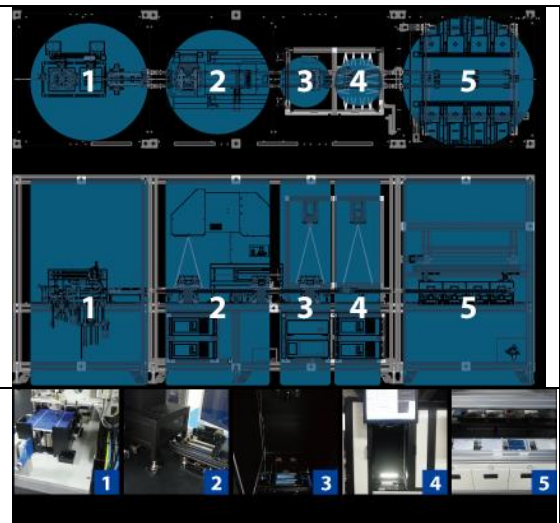
I-V Test Using AAA Solar Simulator

Electroluminescence Imaging

Automatic Optical Inspection

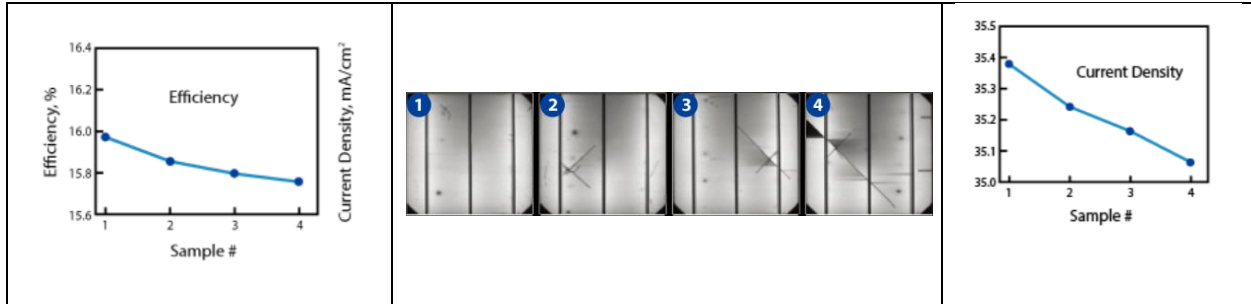


## System Configuration



Solar Cell Inspection System for In-Line Process  
High Throughput and Stability  
Low Breakage and Maintenance  
Fully Automated Process or Manual Operation  
Flexible Cell Loading Unit(In-Line/Magazine)  
Selectable Good/Reject Sorting (Variable Sorting)  
User Friendly Interface and MES Software

## Efficiency vs Crack



## System Specification

<b>Model Name</b>	Solar Cell In-Line Inspection System K3500
<b>System Model</b>	ELX : EL Measurement PLX : PL Measurement WFX : AOI+I-V+EL/PL
<b>System Configuration</b>	Loader, AOI(Vision), K3000 I-V System, K3300 Imaging System, Unloader, Sorting
<b>System Tact Time</b>	1,200EA per 1hour
<b>Measurement</b>	Voltage, Current, Temperature, Irradiance (Ref), Micro Crack, Hot Spot, Finger Defect, Dark Area, Isc Mapping, Relative Efficiency, Color, Vision
<b>Dimension</b>	(W)5350mm x (D)1400mm x (H)2130mm
<b>Test Sample</b>	Si Solar Cell