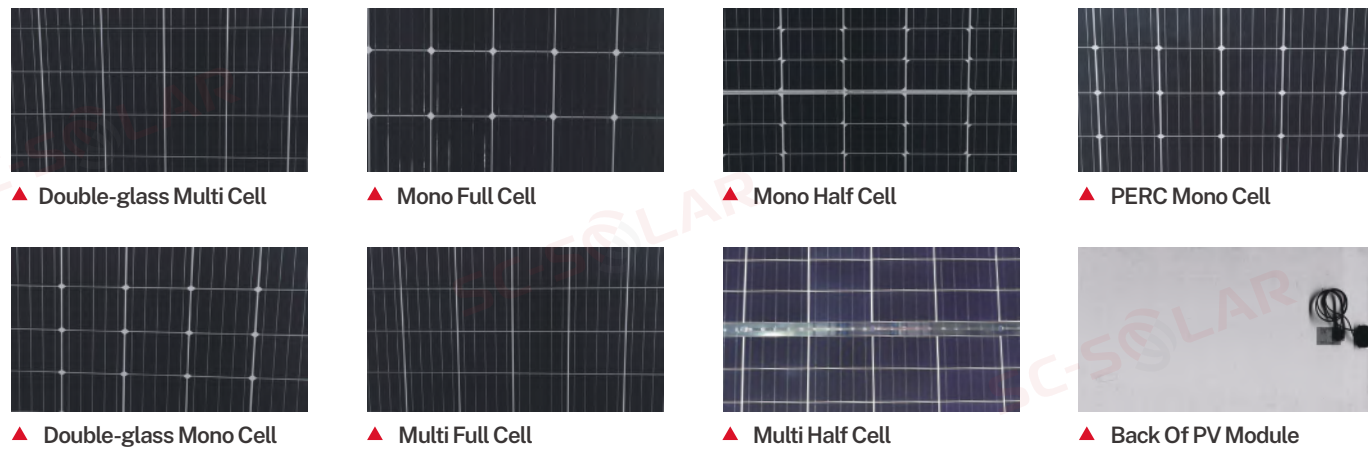
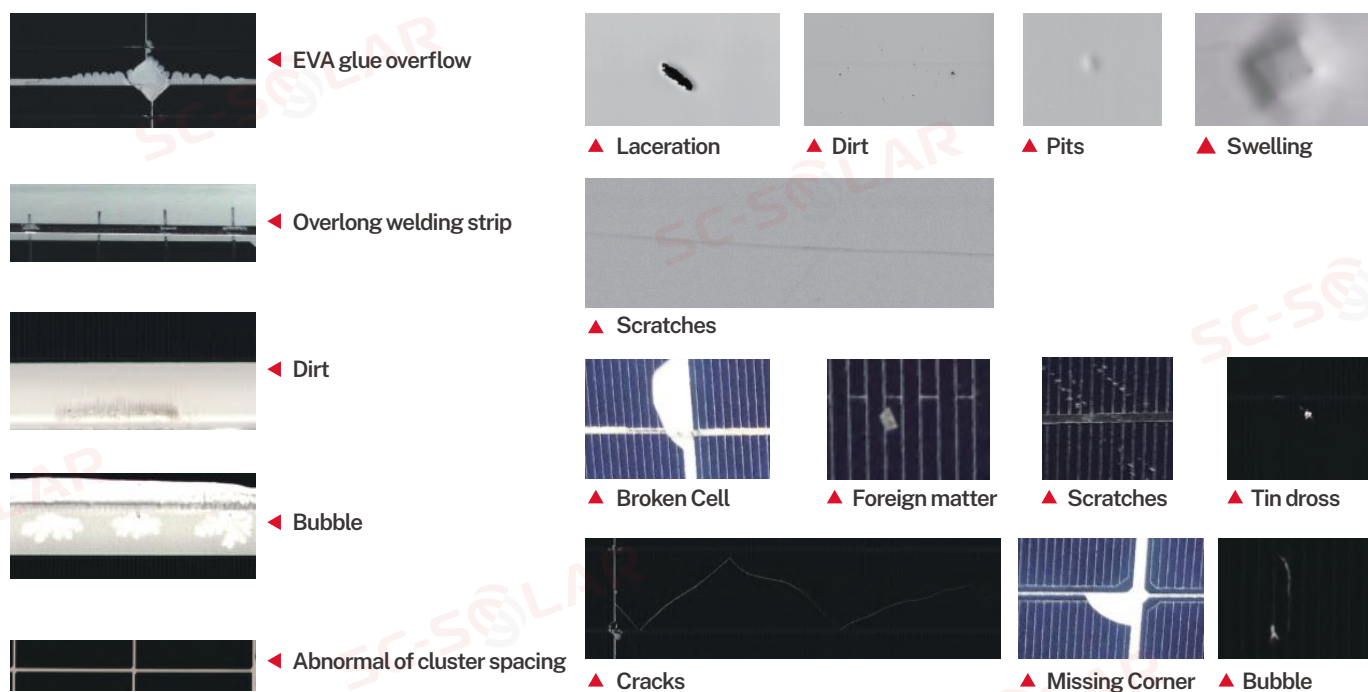


## MODULE APPEARANCE AUTO DETECTION SYSTEM

### Compatible PV Module Type

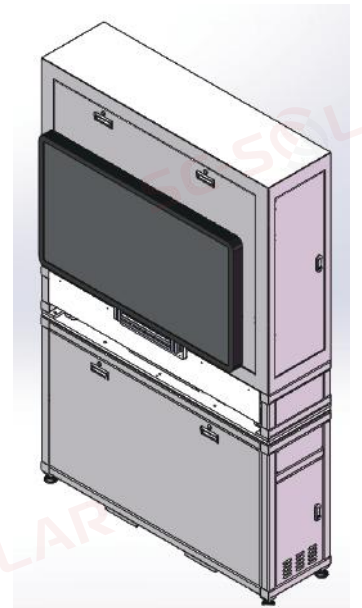


### What are we inspecting?



### Features

- Real-time on-line detection improves the efficiency of production detection and greatly reduces the labor cost of the pipeline.
- Automatic identification and judgment of defects, automatic alarm and upload detection data.
- Automatic Bar Code Recognition; Adapt to various types of PV module, automatic identification and labeling of conventional PV module, unconventional PV module.
- Fast product changing-over; Adapt to small yield and diverse PV module.
- Autonomous learning function, while testing while learning; not only can improve the accuracy of current product types, but also learn new product types.
- Connect with ERP system to realize remote management of testing equipment.



### Specifications

| Product model               | HDC-MI900   | HDC-MIL901            |
|-----------------------------|---|-----------------------|
| Module type                 | Mono、Multi cell(60、72)、Double-glass、Half cell、PERC Mono cell  |                       |
| Detection region            | Type of defect  |                       |
| Back of PV Module           | Pits  |                       |
|                             | Swelling  |                       |
|                             | Laceration  |                       |
|                             | Scratches   |                       |
|                             | Dirt  |                       |
| Cell                        | Bubble  |                       |
|                             | Broken Cell   |                       |
|                             | Scratches Cell  |                       |
|                             | Abnormal of cell and cluster spacing                          |                       |
|                             | Overlong welding strip  |                       |
|                             | Tin dross; Tin wire   |                       |
|                             | Insect  |                       |
| Other regions               | Bubble  |                       |
|                             | EVA white EVA fold  |                       |
|                             | Dirt  |                       |
| Detection mode              | Front + Back (Only Front)                                     |                       |
| Camera                      | High-end Color line scan+black and white line scan            |                       |
| Light source                | High-end customized light source                              |                       |
| Defect judgment method      | Automatic   |                       |
| Display                     | 55 inch large screen display                                  |                       |
| Size                        | 2m*1m   |                       |
| Frame                       | No  |                       |
| Entry mode                  | Short edge entry  |                       |
| Speed                       | 18m/s   |                       |
| Detection time              | Max 25s   |                       |
| Assembly Line               | No  | Yes                   |
| Dimension(mm)               | 1450*400*2400(LxWxH)  | 1450*4600*2400(LxWxH) |
| Weight(kg)                  | 450   | 500                   |
| Power Cabinet Dimension(mm) | 300*750*1100(LxWxH)   |                       |
| Power Supply                | AC220V/50Hz/16A   |                       |
| Power                       | 2.2kW   | 2.7kW                 |
| Additional Features         | Identify barcode; Defect statistics; Automatic alarm function |                       |