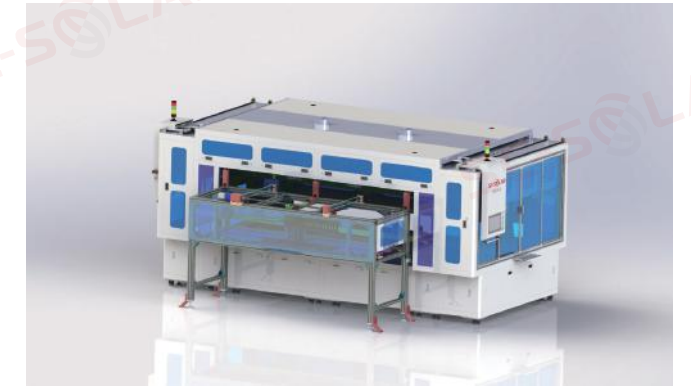
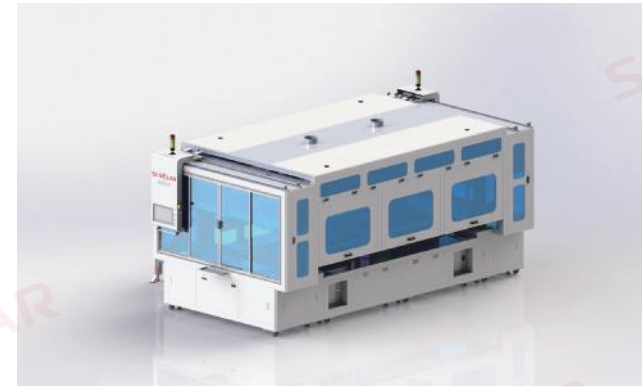


## MODULE REPAIRING MACHINE

ALU-HSR module repairing machine, can remove and replace bad cells and busbars, compatible with 166\*166mm-230\*230mm/ 9BB-20BB cells, compatible module size up to 2700\*1500mm.



### Features

- Compatible for 210 modules (excluding jumper wire), half-cell modules and double glass modules repairing.
- The disassembling welding head is controlled individually, can disassemble and weld a single string.
- Compatible with larger modules: 2700\*1500(mm).
- External feeding unit for OK string feeding and NG string unloading, with a camera to judge the direction of string.
- Have unique deviation correction mechanism, deviation correction range  $\pm 20$ mm;

### Functionality

- Cell size: 166\*166-230\*230(mm)/9-20(BB)
- Module specifications:  
A, 166\*166-185\*185 cell: 6 strings\*10 half-cell\*2; 6 strings \*11 half-cell\*2; 6 strings \*12 half-cell\*2; 6 strings\*12 half-cell\*2; cell spacing 0.4-5 (mm), string spacing 1-4(mm);  
B, 210\*210 cell: 6 strings\*10 half-cell\*2;6 strings\*15 one-third cell \*2; piece spacing 1-4(mm), string spacing 1-4(mm)
- Bus-bar specification: roll feeding, material thickness 0.18-0.45(mm), width 4/5/6/7/8mm, roll weight  $\leq 30$ kg
- Glass size: Max 2700\*1500(mm); Min 1640\*980(mm)
- Bus-bar and welding belt tension:  $>5$ N/mm(spraying flux)
- Cycle time: 85s
- Fragmentation rate:  $<0.2\%$
- Yield:  $\geq 99\%$
- Utilization rate:  $>98\%$
- Welding mode: electromagnetic induction
- Module input/output height: 950-980(mm)
- Bend up U/L lead height range: 10-25(mm)

### Specifications

Item	Value
Working power	AC380V $\pm 5\%$ , 3P+1N+1PE(3-phase5-wire system)
Working pressure	0.5-0.8(MPa)dry and clean compressed air; dosage: 2m <sup>3</sup> /min
Power requirement	Rated 50kW, average power about 35kW
Weight	6500kg
Dimension(L*W*H)	5280*3866*2520(mm)