

# HIGH SPEED ROBOTIC STRING LAYUP



## Features

- The cell string output of the stringer can be applied to single-rail and double-rail.
- String positioning method: visual positioning.
- The main frame structure is steel, firm and reliable.
- The robot has fast speed, high positioning accuracy, stability and reliability.
- The vacuum suction cup sucks cell string without leaving traces.
- Fit for horizontal, vertical and AB string module.
- Fully automatic equipment control, no human intervention is needed during the operation.
- The cell string adsorption fixture has a vacuum detection function to prevent string falling.
- Replace the different cell strings directly, some adjustments needed if necessary.
- Support online and offline rework of strings.

## Functionality

- Cycle time: half cell ≤ 3.5s/pcs
- Accuracy: string spacing ± 0.4mm; distance between string to the glass edge ± 1mm
- Compatible size: 60/72/half-cell/MBB/MBB half-cell
- Rate: ≥ 98%
- Fragment rate: < 0.02%
- Vision: dual image system, resolution of 0.05
- Noise: ≤ 72dB

## Specifications

Item	Value
Model	SC-SL54-RX-01
Compatible module size	length: 1650-2550(mm); width: 990-1450(mm)
Cycle time	half cell: 3.5s/pcs (infeed, outfeed and alignment, 5s)
Power	6kW
Power requirement	AC380V±5%, 3P+1N+1PE, 20A, 50/60Hz
Air pressure	0.6-0.8(MPa)
Air consumption	400L/min
Weight	about 3700kg
Dimension(L×W×H)	3750*3750*2500(mm)