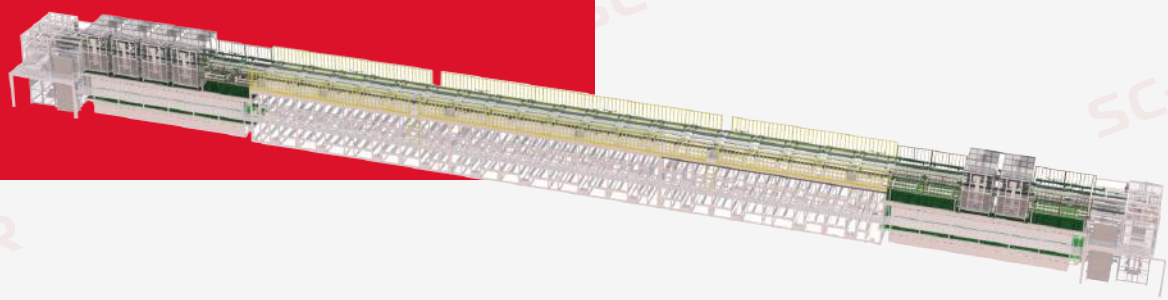
SC-SOLAR

PICK&PLACE SYSTEM FOR LAMINATE FRAME



Features

- The overall structure consists of the frame taking, the frame placing, the frame lifting, the return transmission unit, the four-side normalization and the feeding buffer unit.
- The combination of servo motor and module drives the Z-axis of the lamination frame to rise and fall, and the horizontal transplanting is driven by servo motor and synchronous belt, with high speed and high precision.
- The frame lifting part includes suction cup unit, frame lifting mechanism, etc., which can effectively solve the problem of EVA sticking to the frame after lamination and ensure efficient frame removal.
- The backflow transmission unit adopts the adjustable 5 belt conveyor on both sides and sets the normalization every 3 sections to ensure the smooth movement of the laminated frames, and the platform is set on the top of the laminator for easy maintenance.
- The feeding and buffering unit adopts multiple sets of first-in-last-out stacking mechanisms to meet the storage and entry and exit of more laminated frames, ensure continuous material supply, and achieve efficient frame placement.

Functionality

- The frame placement is correct and accurate, and the positioning accuracy of the pick-and-place frame ≤2mm
- Cycle time: ≤22s
- Pick and place frame effect: accurate positioning, no sticking frame, no cracking
- Change over time: ≤20min/1 person
- Operation mode: Auto+Manual
- Noise level: ≤60dB
- HMI: Chinese and English mode
- Yield: >98%

Specifications

Item	Value
Compatible module size	length: 1650-2520(mm); width: 990-1450(mm)
Cycle time	≤22s
Alignment method	Four-sided alignment
The number of stacking layers per set	≥10
The number of palletizing layers per set	≥60
Air pressure	0.5-0.7(MPa)
Power	13kW
Dimension(L×W×H)	54630*6000*5650(mm) (refer to laminator specifications)