

Solar cell transfer machine for solar cell manufacturing



The machine transfers the silicon wafer between the cassette and the board.
This machine transfers the silicon wafer (156mm SQ) for making solar cells.

Wafer specification :

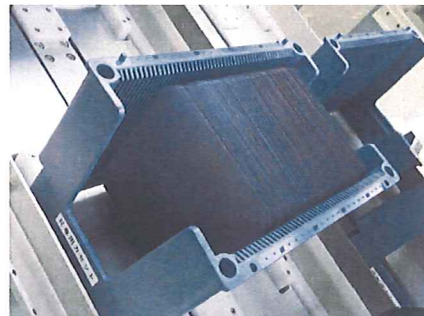
Size:	156mm SQ (Size allowance $\pm 0.5\text{mm}$)
Thickness:	$180 \pm 20 \mu\text{m}$
Material:	Single crystal silicon

Three types of storage cassettes:

1. 50-sheet cassette: (specification)

Wafer sheets capacity:	50sheets
Pitch:	4mm ~ 5mm
Material:	PPS
Exterior size:	278x185x180

#Size can be customized
according to preference or needs.



2. 100-sheet cassette: (specification)

Wafer sheets capacity:	100sheets
Pitch:	4mm ~ 5mm
Material:	PVDF
Exterior size:	554x206x206

#Size can be customized
according to preference or needs.



3. Quartz board: (specification)

Wafer sheets capacity:	100~250sheets
Pitch:	3mm ~ 4mm
Wafer insertion groove angle:	80 degrees (From horizontal)
Material:	Quartz

#Size can be customized
according to preference or needs.

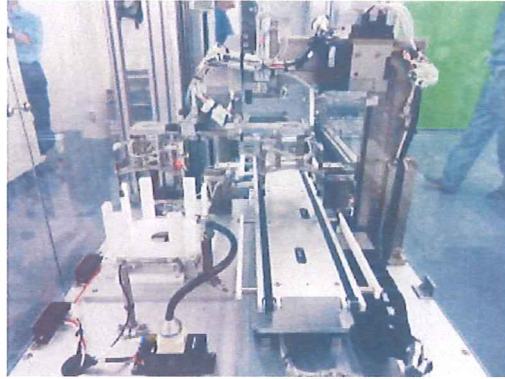


Three types of solar cell transfer machine

1. Stack to 100- sheet cassette

(Transfer from stack to 100 sheets storage cassettes.)

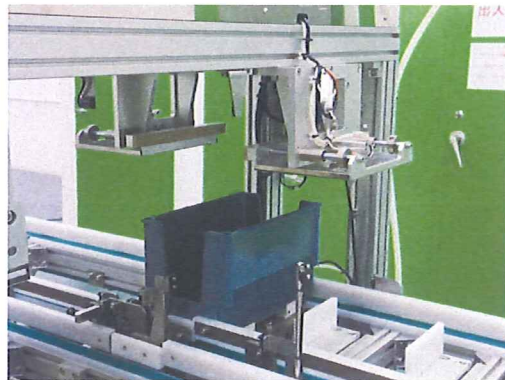
Size of machine 899 x 2293.5 x 1503 (height)



2. 100- sheet cassette to 50- sheet cassette

(Transfer from 100 sheets storage cassettes to 50 sheets.)

Size of machine 2080 x 1900 x 1535 (height)



3. 50- sheet cassette to quartz board

(Transfer from 50 sheets storage cassettes to quartz board; reciprocating motion)

It can cope with Two-ply wafer and has a reverse rotation function.

Size of machine 2080 x 1900 x 1675 (height)

