Shuttle conveyor

Shuttle Conveyor /Traverser is used to redirect flow of PCBs into different channels in a production line.
It is designed to shuttle PCB's to next process. The conveyor can collect PCB's from two lines to one line/ distribute PCB's from one line to two lines.

Standard features

- Mitsubishi PLC program control
- By-pass mode, shuttle moving mode selectable
- Conveyor width adjustment by using hand crank.
- Heavy bottom design to prevent shifting
- Conveyor motor is using with stepper motor
- PCB flow direction flows can be customized
- Shuttle speed setting by software
- Operation side: Front side
- Fixed rail: Front rail
- Conveyer concept: ESD flat belt
- Cycle time: Depends on traversing distance
- SMEMA compatible

Optional:

- Motorized width adjustment
- R485 communication protocol

Technical specification

Transfer heights	**900mm+/-50mm**
Transfer direction	Left to right
Operation side	Front of machine
Fixed rail	Front of machine
Interface	SMEMA
Conveyor belts	ESD flat belt
PCB edge support	3mm
Allowable components clearance	30mm below and above
Transfer car number	Standard single car
PCB transfer Mode	2 in 2 out; 1 in 2 out 2 in 1 out
NG Reject function	**Optional**
Safety	CE certificates
Control	PLC
Voltage	220V/ 110V , single phase, 50-60Hz

	TRS-460
Machine dimension	Length 1500(mm) *950mm *950mm (L*W*H) Shuttle distance Length is available for any customer requirements.
Weight	280KG (depends on the shuttle length)
PCB size	500mm *460mm (L*W)