

Handling systems

Turn station, Lift station, Flip station,
Traverser



Handling systems

Lift station LS

- For PCB, work-piece carriers, solder frames
- 2 or 3 transport levels
- Electromotive or pneumatic lift unit
- Pass mode selectable
- Expandable with turn unit
- Selection function via control input

Lift station LS



Flip station FS



Turn station TS

- For PCB, work-piece carriers, solder frames
- Entry / exit at 90°, 180° and 270°
- Electromotive or pneumatic turning unit
- Horizontal shift for short PCBs
- Smooth turning movement
- Selection function via control input signal

Turn station TS



Flip station FS

- For PCB
- Pneumatic flip unit
- Pass mode selectable
- Alternate forward and return transport can be controlled



General characteristics

- PCB dimensions

M series	L	100 ... 330 mm
	B	50 ... 260 mm
L series	L	100 ... 500 mm
	B	50 ... 500 mm
- Safety sliding doors on entry and exit
- Width adjustment manual or motor regulated
- ENGIMATEC TECONA PLC control
- Communications interfaces as required
- Tough powder-coated finish
- Design meets CE, electrostatic and safety regulations

Traverser TR

- For PCB, work-piece carriers, solder frames
- Configurable with up to 1 entry / 3 exits or 3 entries / 1 exit
- Pneumatic horizontal shift up to 2000 mm
- Selection function via control input signal



Traverser TR

Products and performances

Handling and transport systems

- for circuit boards
- for solder frames
- for work-piece carriers
- Transport conveyors
- Vertical lifts
- Horizontal lifts
- Turning stations
- Flip units
- Loading/unloading units
- In-line buffer (FIFO/LIFO)
- Turning lift stations
- Path through stations
- Systems with manual and automatic magazine handling

Test systems

- In-line or autarkic
- Manual or automatic process
- In normal or extreme temperature ranges (alternating from -40°C to 125°C)
- In-circuit test
- Function test
- Test with automatic alignment
- Picture processing
- High frequency
- Special test systems

Special systems

- Handling and transport
- Automatic assembly

Inter-linking of manufacturing processes

- TECONA products
- Products from other sources
- Planning
- Handling and transport systems
- Integration of manufacturing systems
- HOST communication
- Process visualisation
- PPS
- Data remote transmission