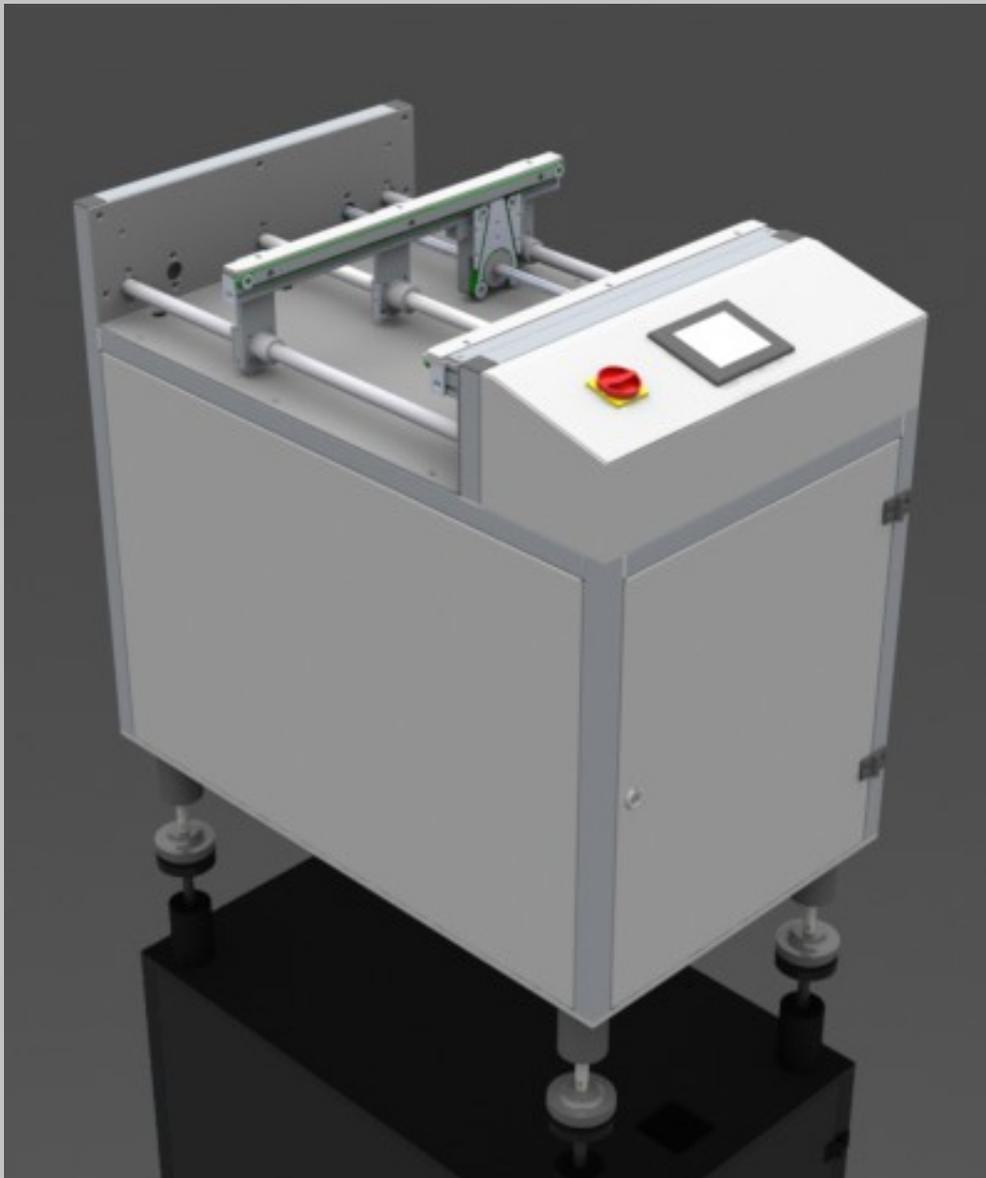


## Technical Data

## Transport Handling



BOARDHANDLING

# TEC-CT-530



The CT-530 transport module transfers PCBs in the production line between the process machines. At the same time, the machine also serves as an intermediate buffer.

The transport modules can be placed next to each other in the production line any number of times. Communication between the modules takes place via a SMEMA signal.

The manual adjustment of the line width as well as the electric width adjustment can be selected. Easy operation via On/Off switch as well as comfortable operation and parameter input via touch display are possible.



## Features

- Solidly built aluminum profile frame
- Transport direction from left to right (from operator side)
- Transport width adjustment by means of clamping levers
- ESD equipment for use in ESD area
- SMEMA interface
- Standard color RAL 7035/ RAL 7016 (conveyor and legs)
- Own PLC control
- Alarm beeper for acoustic warning or error message
- Manual mode function

## Options

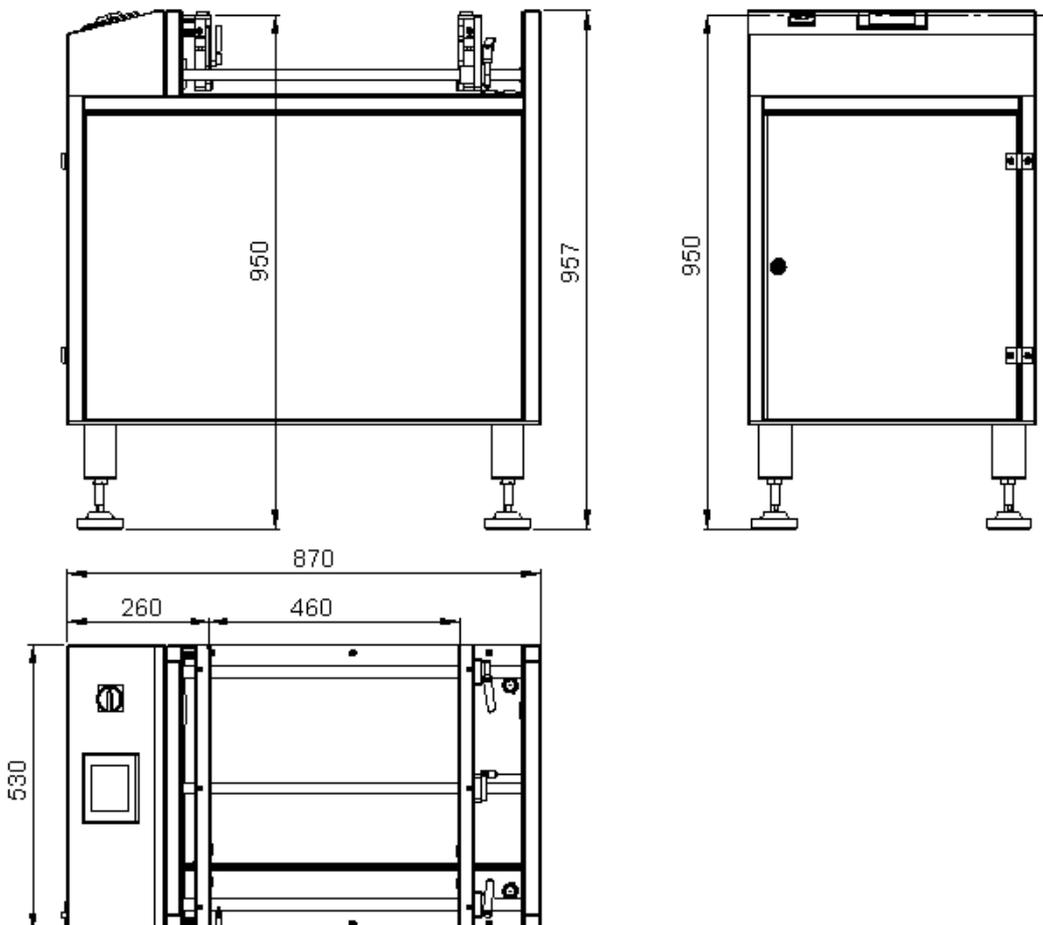
- Control panel with colored touch display
- Electrical transport width adjustment
- Motor-driven width adjustment via product buffer
- Motor-driven width adjustment via Tecona line control
- Adjustable dwell time on transport segment
- Pass/fail recognition with signal transfer
- Eslon hood, screwed
- Eslon hood with hinge and safety switch
- Scanner holder, movable from above in Y-direction (scanner provided by customer)
- Scanner holder, movable from above in XY-direction (scanner provided by customer)
- Removable roller center support fastened on linear shafts
- Special color according to RAL color table, powder coated
- Conveyor extension 50 - 200 mm
- Lifting unit for lifting the PCB for inspection or repair
- Automatic request of a fail part in combination with a Tecona buffer station
- Inspection interval 0-999, adjustable on touch display
- Bidirectional operation
- Adjustable transfer speed to following machine (0.8 - 20 m/min)
- Interface according to Siemens definition (SMEMA not required)
- Two-color status beacon red/green for optical status message
- Interface via sensor

# TEC-CT-530



## Technical Data

Transport length	530 mm
Transport speed	20 m/min
PCB size (L x W)	min. 80 x 50 mm max. 460 x 500 mm
PCB weight	max. 3.5 kg
Component height	+70 mm
Transport height	830 +/- 15 mm to 1000 +/- 15 mm adjustable in advance according to customer specification
Electrical connections	230 VAC/ 50 Hz
Consumption characteristics, standby operation	0.05 KW
Standard operation	0.2 KW
Fuses	onsite, max. 5 A machine side, T2A
Type of wiring	1 Ph + N + PE
Weight	100 kg



# TEC-BM-1M



The TEC-BM-1M buffer station buffers PCBs for compensation of process-related line standstills. The PCBs are taken over from the upstream equipment in the line/process machine into the magazine and buffered or can be fed out of the magazine into the production process again. LiFo or FiFo operation are possible.

The machine has a capacity of one magazine with manual magazine change. A controlled lift axis performs vertical cycling of the magazine.

The buffer is excellently suitable as module for pass/fail sorting in the line.

Comfortable operation and parameter input via touch display. Service mode with individual control of actuators.



## Features

- Lifting axis unit for vertical cycling of magazine
- Transport width adjustment with clamping lever
- Buffer function with magazine
- Transport direction from left to right (from operator side)
- The operator side is the fixed side of the magazine
- Pusher to transport the PCB into the magazine
- Pusher to transport the PCB out of the magazine
- ESD equipment for use in ESD area
- SMEMA interface
- Capacity for 1 magazine
- Machine size M-size max. magazine side LxW 400x320 mm (L-size optionally available)
- Magazine receptacle for CAB 701/702/703
- Magazine change cycle time < 40 s
- Priority of acceptance or delivery can be selected by user
- Standard color RAL 7035/ RAL 7016 (conveyor and legs)
- Control panel with colored touch display
- Own PLC control
- Alarm horn for acoustic warning or error message
- Two-color status beacon green/red for optical status message
- Manual mode function

## Options

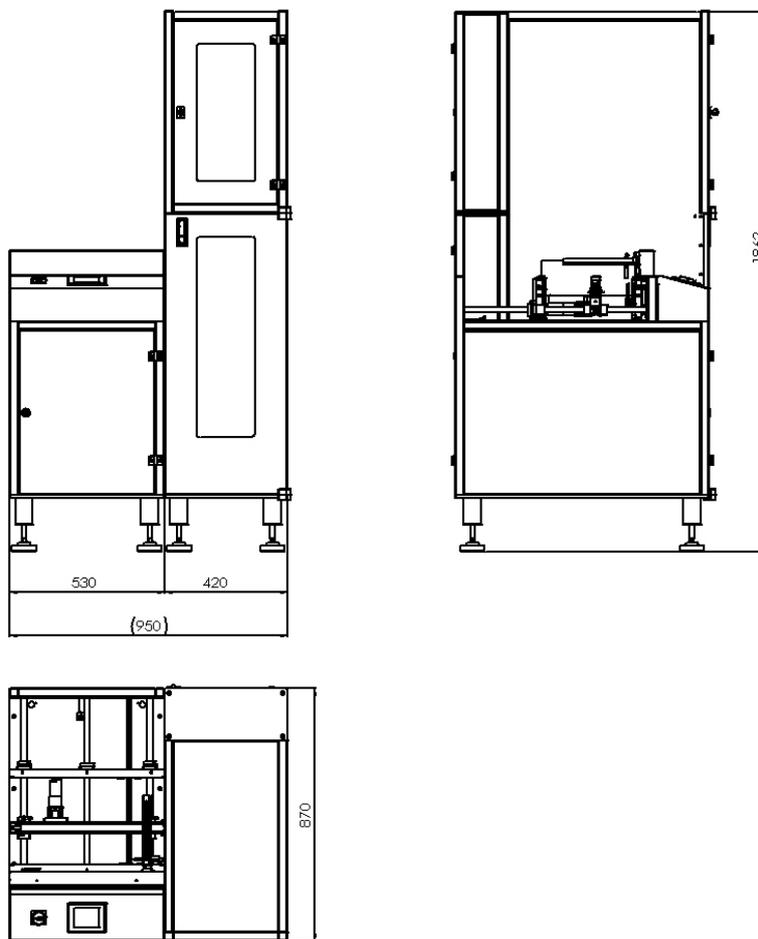
- Extension of machine to L-size (max. magazine size LxW 535x530 mm)
- Electrical transport width adjustment
- Motor-driven width adjustment via product buffer or Tecona line control
- Eslon hood screwed or with hinge and safety switch
- Additional driven transport conveyor below magazine table to pass the PCB through
- Adjustable advance warning for magazine change
- Automatic push-in repetition when magazine slot is empty (empty slot monitoring)
- Special color according to RAL color table, powder coated
- Additional magazine buffer twice full, twice empty with automatic magazine change
- Conversion to right-/left-hand operation
- Interface according to Siemens definition (SMEMA not required)
- Pass/fail sorting
- Interface via sensor
- Three-color status beacon: Green, amber, red, for optical status message
- Additional alarm horn (loud)

# TEC-BM-1M



## Technical Data

<b>Magazine size (L x W x H)</b>	max. 535 mm x 530 mm x 570 mm
<b>Magazine weight</b>	max. 30 kg
<b>PCB size (L x W)</b>	min. 80 x 50 mm, max. 460 x 460 mm
<b>PCB weight</b>	max. 3.5 kg
<b>Transport length</b>	530 mm
<b>Transport speed</b>	20 m/min
<b>Component height</b>	+/- 40 mm
<b>Transport height</b>	830 +/- 15 mm to 1000 +/- 15 mm adjustable according to customer specification
<b>Electrical connections</b>	230 VAC/ 50 Hz
<b>Consumption characteristics, standby operation</b>	0.05 KW
<b>Consumption characteristics, standard operation</b>	0.30 KW
<b>Fuses</b>	onsite max. 10 A, machine side T2A
<b>Type of wiring</b>	1 Ph + N + PE
<b>Noise emission</b>	< 65 db
<b>Interface</b>	SMEMA
<b>Weight</b>	220 kg

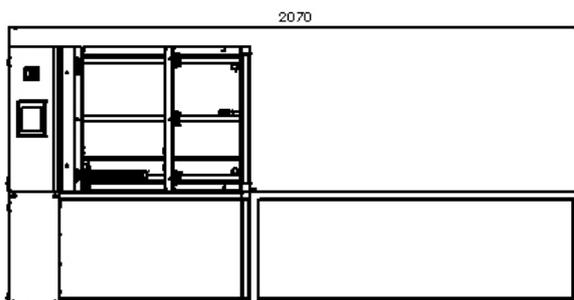
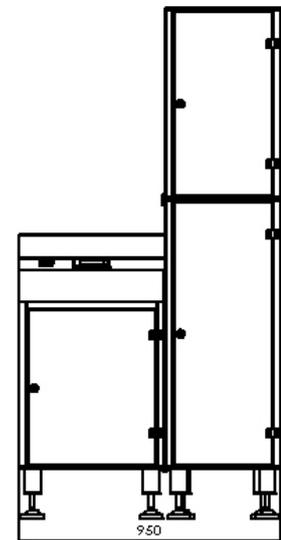
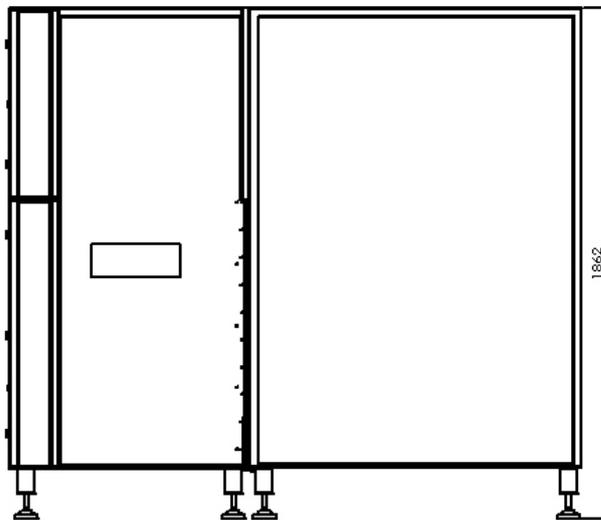


# TEC-UM-5M



## Technical Data

<b>Magazine size (L x W x H) (selectable option)</b>	max. 535 mm x 530 mm x 570 mm
<b>Magazine weight</b>	max. 30 kg
<b>PCB size (L x W) (selectable option)</b>	min. 80 x 50 mm, max. 460 x 460 mm
<b>PCB weight</b>	max. 3.5 kg
<b>Transport length</b>	530 mm
<b>Transport speed</b>	20 m/min
<b>Component height</b>	+/- 40 mm
<b>Transport height</b>	830 +/- 15 mm to 1000 +/- 15 mm adjustable in advance according to customer specification
<b>Electrical connections</b>	230 VAC/ 50 Hz
<b>Consumption characteristics, standby operation</b>	0.05 KW
<b>Consumption characteristics, standard operation</b>	0.3 KW
<b>Fuses</b>	onsite max. 10 A, machine side T2A
<b>Type of wiring</b>	1 Ph + N + PE
<b>Noise emission</b>	< 65 db
<b>Interface</b>	SMEMA
<b>Weight</b>	350 kg



# TEC-FS-180



With the TEC-FS-180 Turn Station, PCBs are received by the transport system within the turn module and positioned using a sensor.

The PCB is secured in position by gentle compression of the upper and lower transport conveyor.

The motor-driven turn module turns the PCB by 180 ° in transport direction. After this process, the PCB is transferred by the transport system to the following machine.

Optionally, bidirectional operation is possible (use before process machines with processing on both sides).

Comfortable operation and parameter input via touch display. Service mode with individual control of actuators.



## Features

- Solidly built aluminium profile frame
- Transport direction from left to right (from operator side)
- Motor-driven transport width adjustment with touch display
- Throughput or turn operation can be selected
- Clamping of PCB on transport segment
- ESD equipment for use in ESD area
- SMEMA interface
- Standard color RAL 7035/ RAL 7016 (conveyor and legs)
- Control panel with colored touch display
- Own PLC control
- Alarm horn for acoustic warning or error message
- Manual mode function

## Options

- Motor-driven width adjustment via product buffer
- Motor-driven width adjustment via Tecona line control
- Safety gates on both sides of the transfer openings if there are no covers on the downstream or upstream machines.
- Pass/fail recognition with signal transfer
- Special color according to RAL color table, powder coated
- Bidirectional operation
- Interface according to Siemens definition (SMEMA not required)
- Two-color status beacon red/green for optical status message
- Interface via sensor
- Additional alarm horn (loud)
- Service kit comprising the main wearing and replacement parts

# TEC-FS-180



## Technical Data

<b>Transport length</b>	530 mm
<b>Transport speed</b>	20 m/min
<b>PCB size (L x W)</b>	min. 80 x 50 mm max. 460 x 460 mm
<b>PCB thickness</b>	0.8 to 4.5 mm
<b>PCB weight</b>	max. 3.5 kg
<b>Component height</b>	+/-40 mm
<b>Transport height</b>	830 +/- 15 mm to 1000 +/- 15 mm adjustable in advance according to customer specification
<b>Electrical connections</b>	230 VAC/ 50 Hz
<b>Consumption characteristics, standby operation</b>	0.05 KW
<b>Standard operation</b>	0.20 KW
<b>Fuses</b>	onsite, max. 5 A machine side, T2A
<b>Type of wiring</b>	1 Ph + N + PE
<b>Noise emission</b>	< 65 db
<b>Interface</b>	SMEMA

