



### ***Functional Description***

- Linking Conveyor
- Controlled by OMRON P.L.C.
- Communication via SMEMA standard
- DC motor control board for var. Belt speed
- Hand crank width adjustment
- Buffer 1,2,3,4 Pcs of PCB's (1 buffer segment = 500 mm)

**9707 100 03650**

***Buffer Section Conveyor***  
**500,1000,1500,2000**

## General PCB Specifications

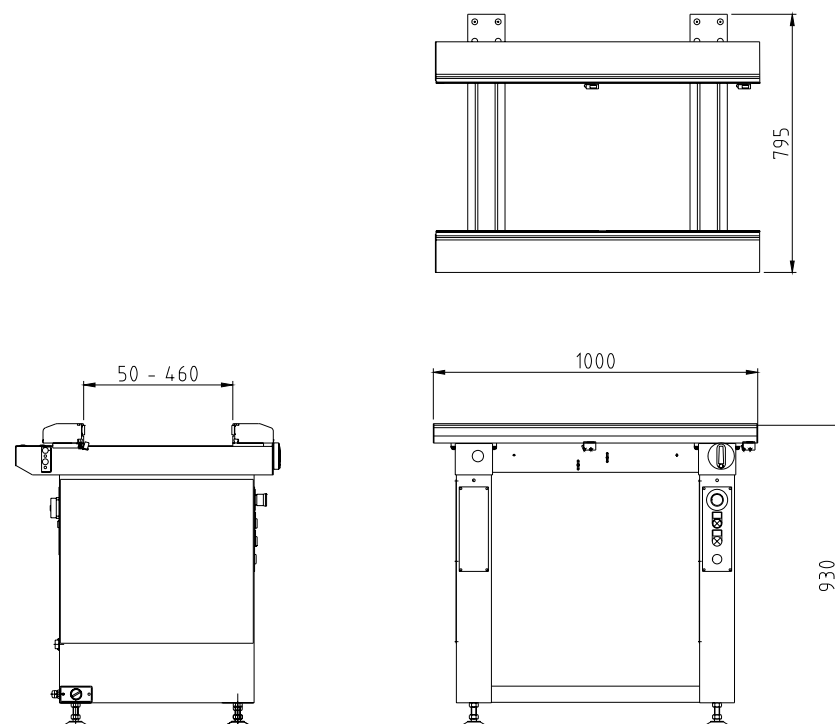
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: (500,1000,1500,2000)/795/935 mm
Belt segments	: 2
Belt material	: Anti static
Transport height	: 930mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By means of switches
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 300 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 90 kg

## Special Options

Inspection Station
Work station overhead
ESD connection
Footrest



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Board handling

### ***Functional Description***

- Conveyors from 1000 mm and longer can be equipped with a workstation
- Pedestal pitch 1000 mm
- The basic workstation fitting consists of:
  1. U-Frame 80x40 mm profile
  2. Overhead lighting (2x18W)
  3. Adjustable shelf
  4. Adjustable footrest
- Also mountable on Promass Carousel system

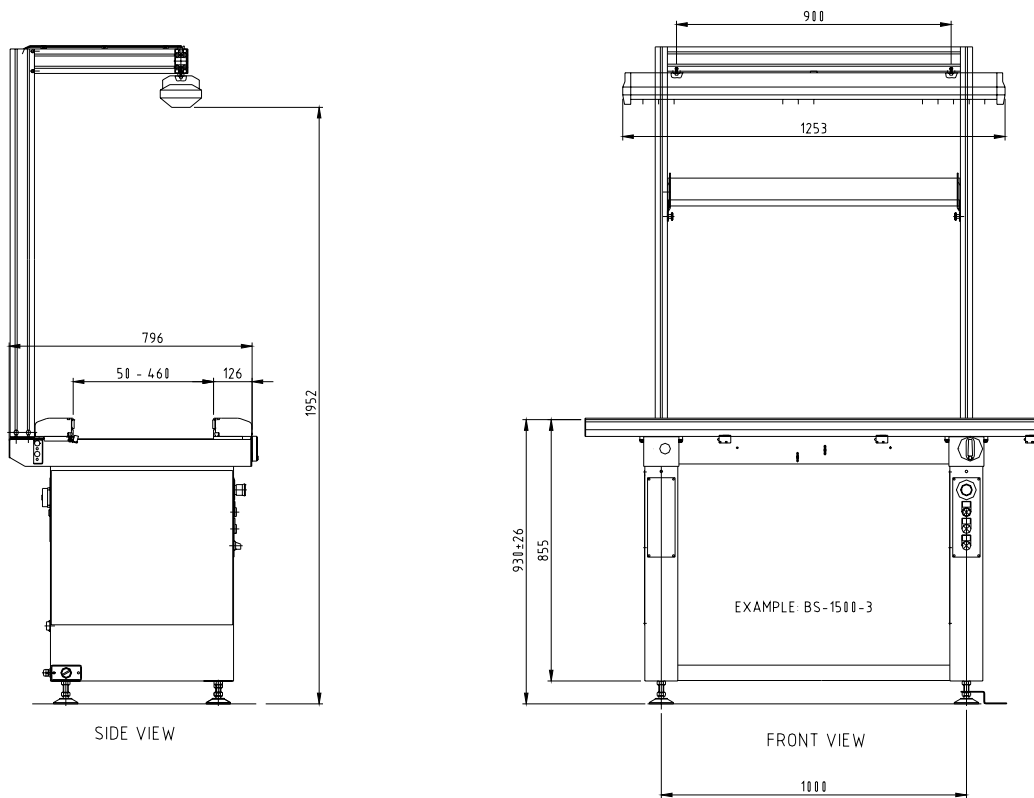
**Workstation**  
**9707 100 07000**

## General PCB Specifications

Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## Special Options

Extra adjustable shelf  
Power on/off switch for overhead lamp  
Power supply (2 connectors)  
Bin Holder  
Tool rail



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***Functional Description***

- Brush PCB alignment Conveyor
- Pneumactical Side Shifter
- Communication via SMEMA standard
- DC motor control board for variable speed

**9707 100 01870**

***Brush Conveyor 500***

## General PCB Specifications

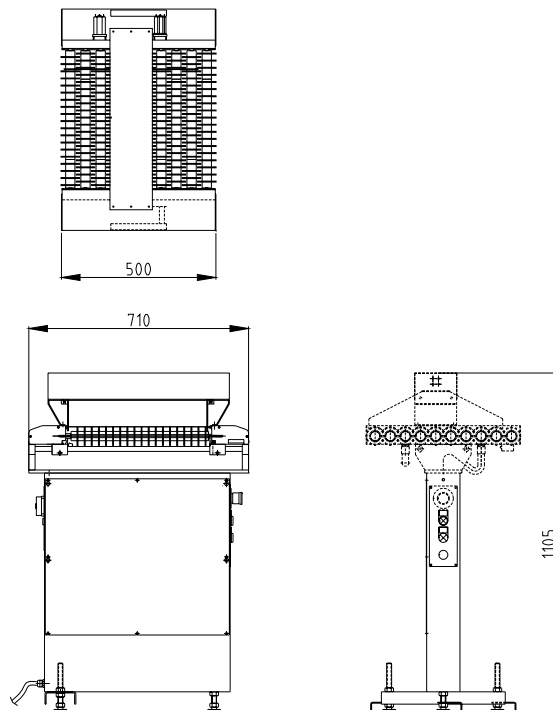
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module (L/W/H)	: 500 / 715/ 1105 mm
Number of brush rolls	: 10
Diameter brushes	: 60
Transport height	: 930mm +35/-25mm
Transport width	: 100-460mm
Transport speed	: 10 meter /minute
Transport direction	: Left to Right
Fixed rail	: Front, facing from operator side
Control	: OMRON PLC
Operation	: By means of switches
Motor control	: Motor Control Board
Software	: Syswin
Power consumption	: 225 Watt
Colour	: Ral 7035
Power requirements	: 230V, 50Hz, single phase with ground.
Cables & wiring	: According to NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 50 kg

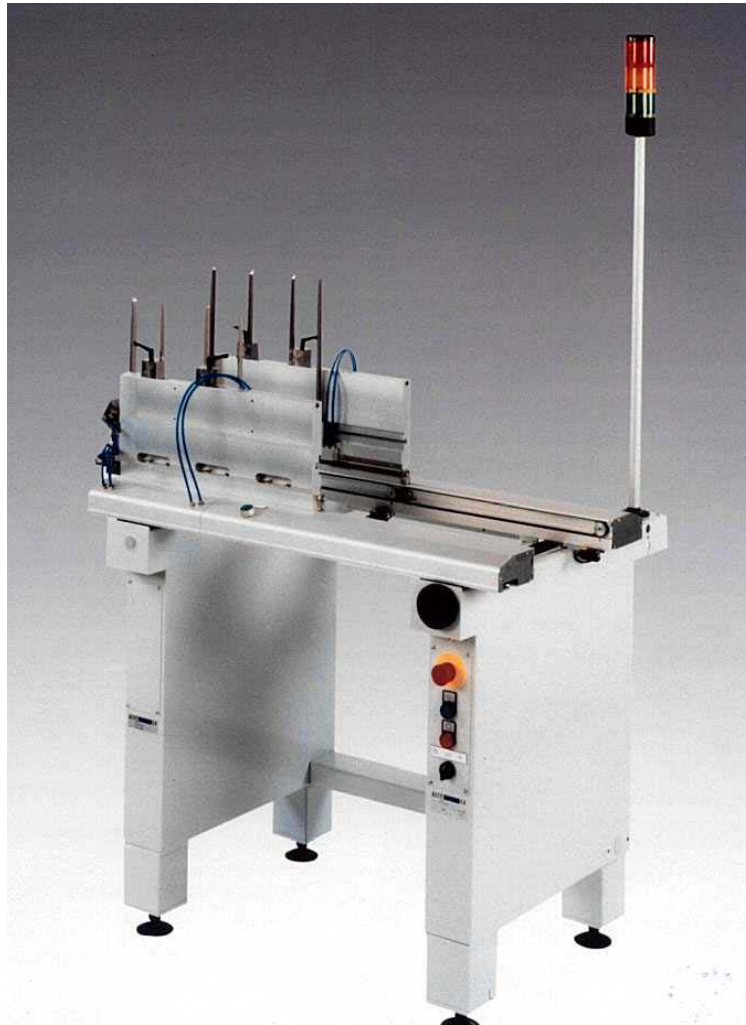
## Special Options

ESD connection



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## Board handling

### ***Functional Description***

- Top-mounted version for bare board destacking
- Reliable short-stroke mechanism
- Fast board discharge
- Controlled by PLC
- Auto-alarm warns for almost empty destacker to prevent machine downtime

**Destacker 1000 mm**  
**9707 100 04600**

## General PCB Specifications

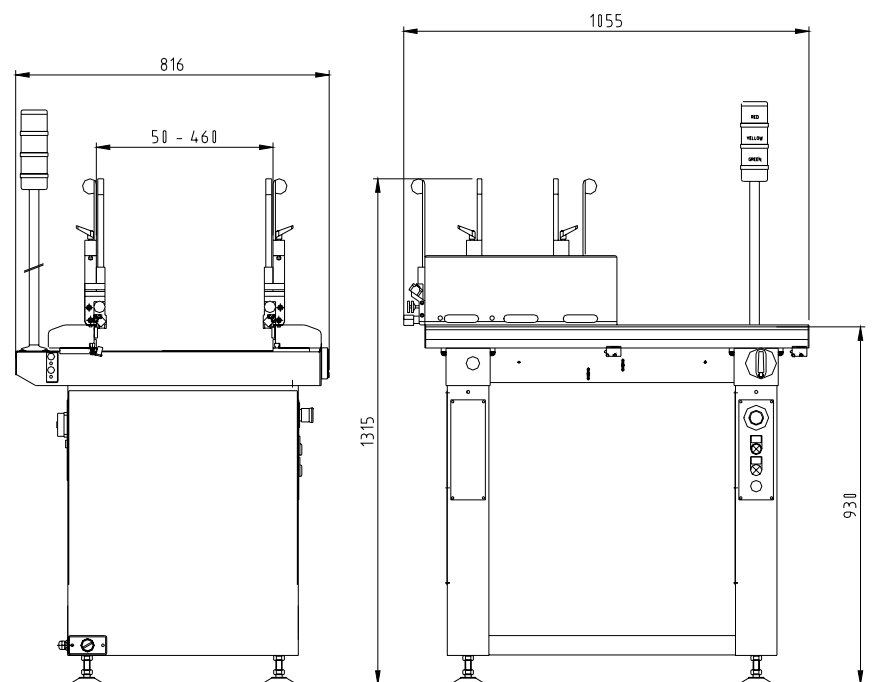
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 1055 / 816 / 1315 mm
Transport height	: 930 mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Cycle time	: <10 sec/board
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By terminal display
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 200 Watt
Power requirements	: 230V, 50Hz, single phase with ground.
Compr.air require.	: Clean, non-lubricated factory air 5-6 bar , 0.25 Nm <sup>3</sup> /h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 90 kg

## Special Options

Pass Through
Transport height 800 mm
ESD connection
Transport direction from right to left
Inspection Station on second segment



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## Board handling

### **Functional Description**

- Loading module from a magazine onto a conveyor
- Originally designed for magazines with length = 355 mm
- Manual magazine exchange
- Pneumatic pusher
- Operation by push buttons
- Communication via SMEMA standard
- Loaders always wait for not busy signal before sending available

**9707 100 10480**

**Budget Loader 355**

## General PCB Specifications

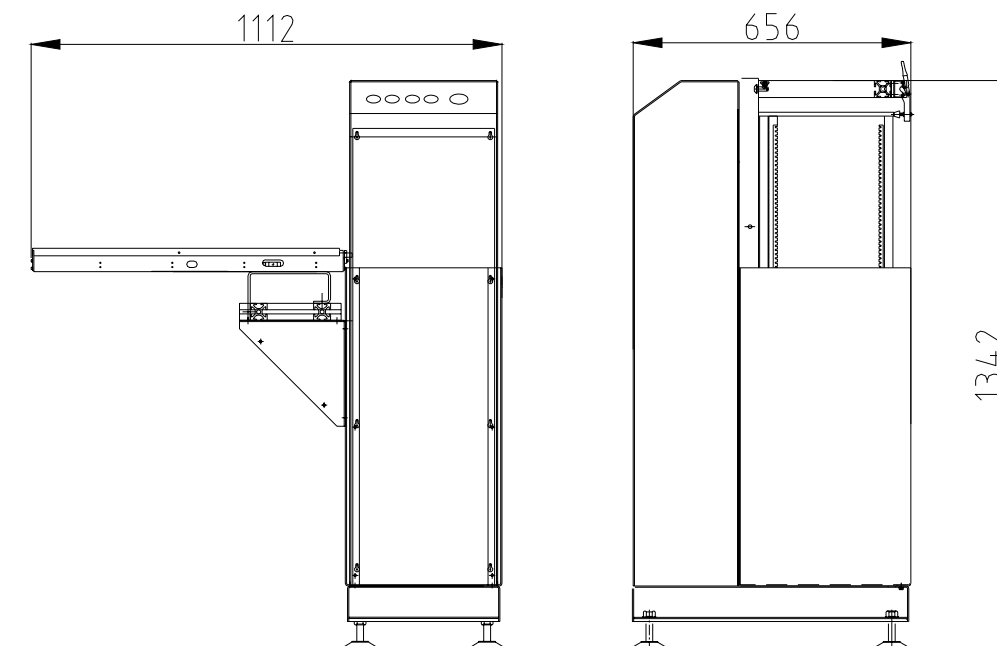
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
Magazine L/W/H	: 355/320/570 mm

## General Module Specifications

Module L/W/H	: 1112 / 656 / 1342 mm
Transport height	: 930mm +35/-25 mm
Cycle time	: < 10 sec/board
Transport direction	: Left to right
Selectable pitch	: 1 to 3 slots by switch 1 to 3 slots by switch
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: NT11 Operation Terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 250 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm <sup>3</sup> /h
Weight	: 90 kg

## Special Options

Transport direction right to left
Tower Light
ESD connection



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## Board handling

### **Functional Description**

- Loading module from a magazine onto a conveyor
- Manual magazine exchange
- Pneumatic pusher
- Controlled by PLC
- Magazines with var. dimensions applicable
- Tower Light
- Loaders always wait for not busy signal before sending available

**9707 100 02730**

**Budget Loader**

## General PCB Specifications

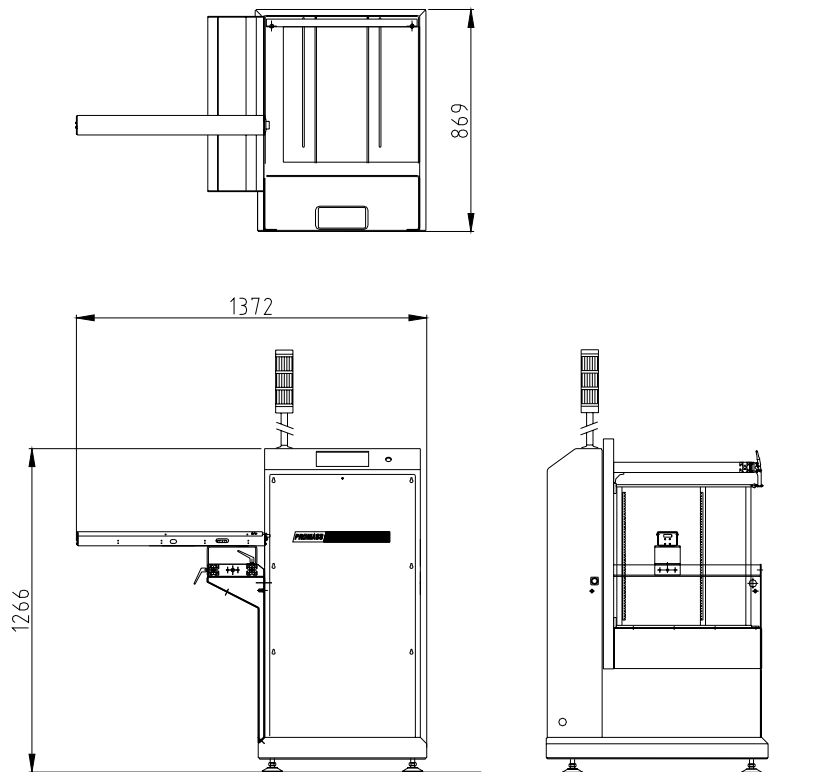
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
Magazine L/W/H	: 550/510/563mm

## General Module Specifications

Module L/W/H	: 1372/869/1566 mm
Transport height	: 930mm +35/-25 mm
Cycle time	: < 10 sec/board
Transport direction	: Left to right
Selectable pitch	: A multiple number of slots pitch distance adjustable
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: NT11 Operation Terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 500 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm³/h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 175 kg

## Special Options

Transport direction right to left
Transport height 800mm
ESD connection



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## Board handling

### **Functional Description**

- Loading module from a magazine onto a conveyor
- Manual magazine exchange
- Electrical telescopic pusher
- Controlled by PLC
- Magazines with var. dimensions applicable
- No compressed air required !
- Tower Light
- Loaders always wait for not busy signal before sending available

**9707 100 11360**

***Budget Loader Telescopic***

## General PCB Specifications

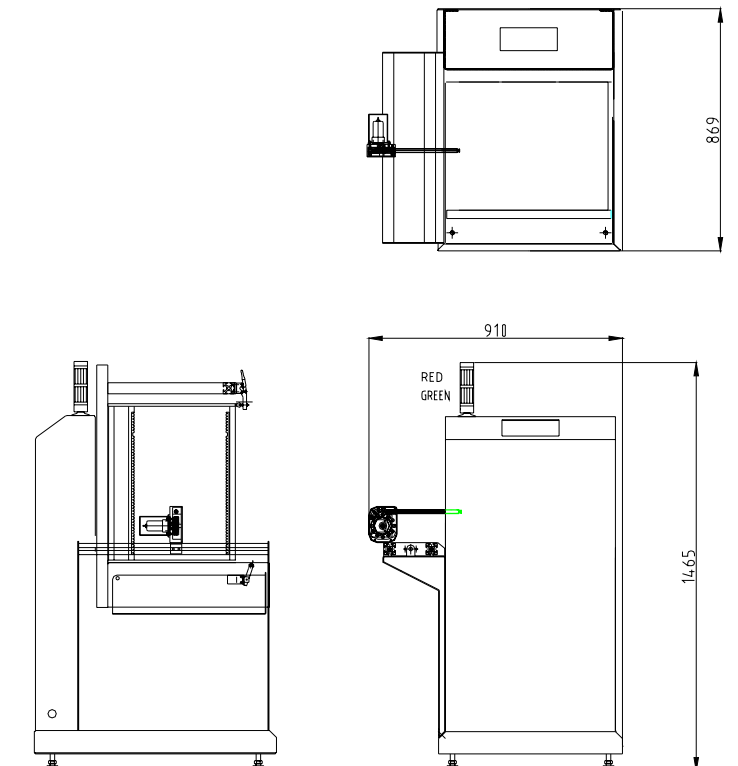
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
Magazine L/W/H	: 550/510/563mm

## General Module Specifications

Module L/W/H	: 910/869/1465 mm
Transport height	: 930mm +35/-25 mm
Cycle time	: < 10 sec/board
Transport direction	: Left to right
Selectable pitch	: A multiple number of slots pitch distance adjustable
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: NT11 Operation Terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 500 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Weight	: 175 kg

## Special Options

Transport direction right to left
Transport height 800mm
ESD connection



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## Board handling

### **Functional Description**

- Loading module from magazine into a conveyor
- Automatic magazine exchange
- 2 buffer positions empty magazines
- Segmented chain tracks for PCB magazines
- Controlled by P.L.C.
- Buffer 2 full & 2 empty magazines
- Tower light
- Communication via SMEMA standard
- Hand crank width adjustment
- Loaders always wait for not busy signal before sending available

**9707 100 04400**

**Auto Loader 2+2**

## General PCB Specifications

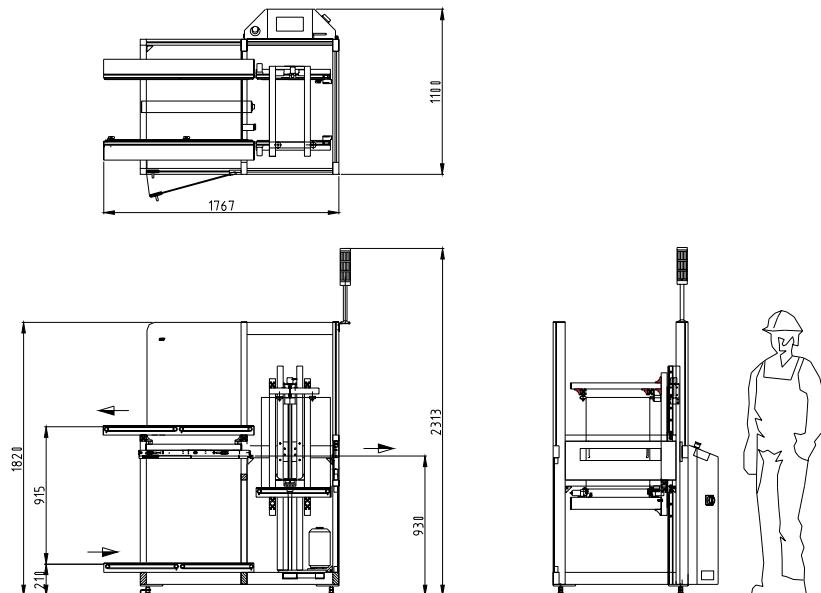
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
MAX Magazine L/W/H	: 460/400/593 mm

## General Module Specifications

Module L/W/H	: 1767 / 1100 / 2313 mm
Transport height	: 930mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Cycle time	: <10 sec/board, mag.exch.<30 sec
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side rear rail adjustable by hand crack
Selectable pitch	: A multiple number of slots Pitch distance adjustable
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By NT11 operating terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 600 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0.5 Nm³/h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 350 kg

## Special Options

Extra/less magazines buffer capacity  
ESD connection  
Colour match



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## Board handling

### **Functional Description**

- Unloading module from a conveyor into a magazine
- Manual magazine exchange
- Infeed track with pusher
- DC motor control board for variable belt speed
- Originally designed for magazines with length of 355 mm
- Communication via SMEMA standard

**9707 100 04350**

**Budget Unloader 355**

## General PCB Specifications

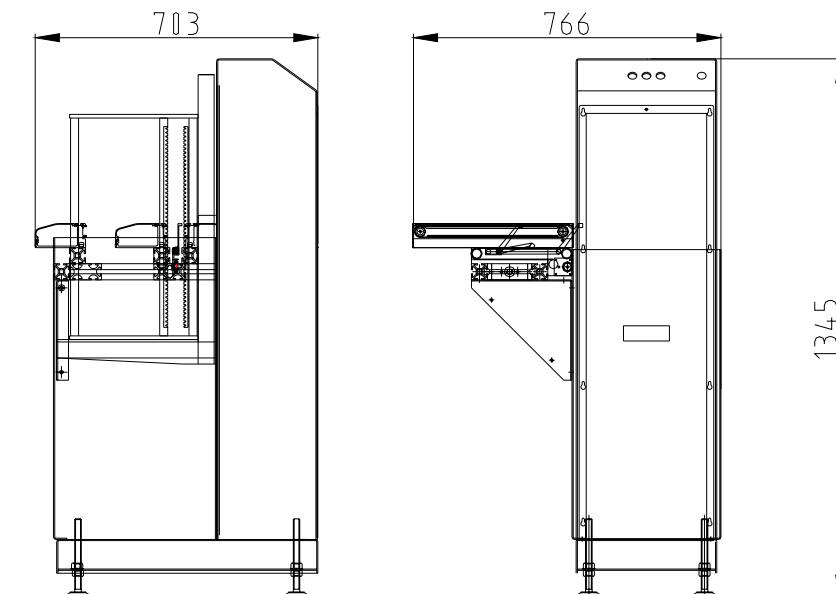
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
Magazine L/W/H	: 355/320/570 mm

## General Module Specifications

Module L/W/H	: 766 / 703 / 1345 mm
Transport height	: 930mm +35/-25 mm
Cycle time	: < 10 sec/board
Transport direction	: Left to right
Selectable pitch	: 1 to 3 slots by switch 1 to 3 slots by switch
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: NT11 Operation Terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 250 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm <sup>3</sup> /h
Weight	: 100 kg

## Special Options

Transport direction right to left
Tower Light
ESD connection



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## Board handling

### **Functional Description**

- Unloading from machine/conveyor into a magazine
- Manual magazine exchange
- Infeed track with Pneumatic pusher
- DC motor control board for var.belt speed
- Controlled by PLC
- Magazines with var. dimensions applicable
- Tower Light

**9707 100 02740**

**Budget Unloader**

## General PCB Specifications

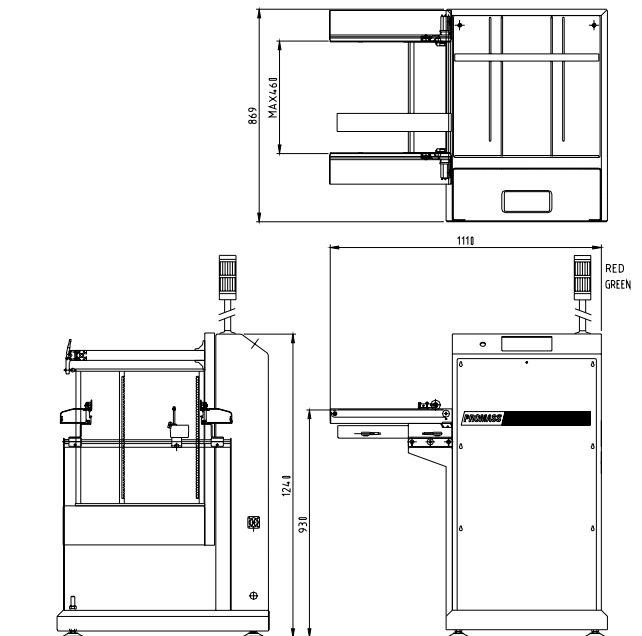
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
Magazine L/W/H	: 550/510/563mm

## General Module Specifications

Module L/W/H	: 1110/869/1240 mm
Transport height	: 930mm +35/-25 mm
Cycle time	: < 10 sec/board
Transport direction	: Left to right
Selectable pitch	: A multiple number of slots pitch distance adjustable
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: NT11 Operation Terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 500 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm³/h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 175 kg

## Special Options

ESD connection  
Transport height 800mm



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## Board handling

### **Functional Description**

- Unloading module from line into magazine
- Automatic magazine exchange
- Segmented chain tracks for PCB magazines
- Controlled by PLC
- Magazines with var. dimensions applicable
- Buffer 2 full & 2 empty magazines
- Operation by NT11 operating terminal
- Tower light
- Communication via SMEMA standard
- DC motor control board for var.belt speed
- Hand crank width adjustment
- Infeed belt segment
- Cover over infeed belt segment

**9707 100 04410**

**Auto Unloader 2+2**

## General PCB Specifications

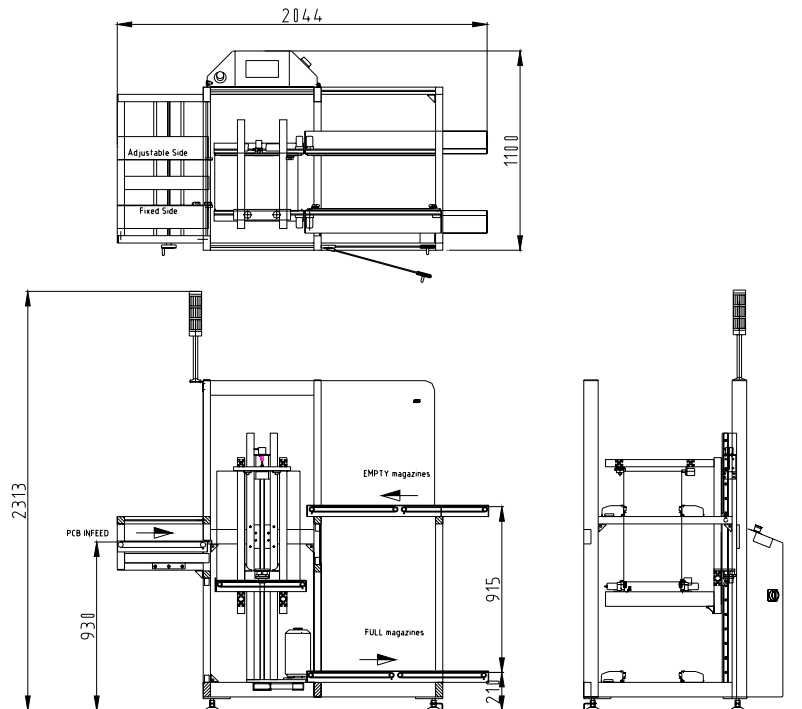
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg
MAX Magazine L/W/H	: 460/400/593 mm

## General Module Specifications

Module L/W/H	: 2044 / 1100 / 2313 mm
Transport height	: 930mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Cycle time	: <10 sec/board, mag.exch.<30 sec
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side rear rail adjustable by hand crack
Selectable pitch	: A multiple number of slots Pitch distance adjustable
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By NT11 operating terminal
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 600 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0.5 Nm³/h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 395 kg

## Special Options

Extra/less magazines buffer capacity
ESD connection
Colour match



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## Board handling

### **Functional Description**

- Loading
- Unloading
- Pass-through
- LIFO Buffering
- Controlled by PLC
- Communication via SMI standard.
- DC motor control board for variable belt speed.
- Encoder controlled pusher
- Infeed belt segment

**9707 100 10000**

**Budget Loader/Unloader  
Passthrough**

## General PCB Specifications

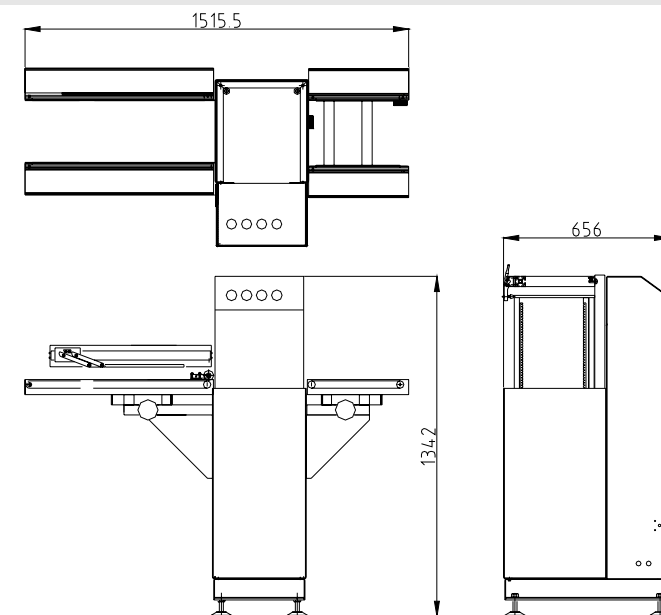
Max Magazine dimensions	: 355/320/563 mm
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 1515.5 / 656 / 1342 mm
Transport height	: 930mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Cycle time	: <10 sec/board
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Selectable pitch	: A multiple of slots
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: Push buttons
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 350 Watt
Power requirements	: 230V, 50Hz, single phase with ground.
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0.25 Nm³/h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 160 kg

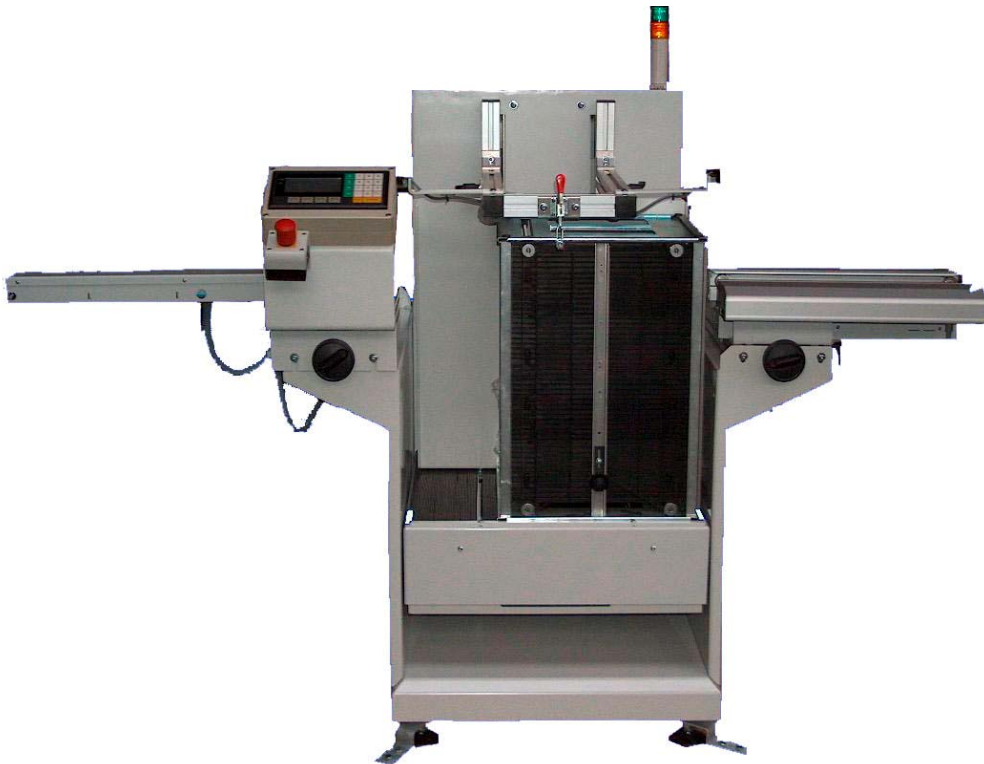
## Special Options

ESD connection
Telescopic pusher
Good/Bad selection
2 Pcs PCB at each slot
FIFO-LIFO-Pass Through operation
Glass covers around machine
Pre-Alarm
Downstream OK



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C.F. e P.IVA – 01846120515 - CCIAA AR N° 01846120515 - REA 143349 - e-mail: [info@pentag.it](mailto:info@pentag.it) – [www.pentag.it](http://www.pentag.it)



## Board handling

### ***Functional Description***

- Bi directional Loading & Unloading module.
- Loading for instance from a magazine onto a screen printer & back
- Also usable solely as loader or unloader
- Loader sends PCB each time when not busy signal is received
- Manual magazine exchange
- **Electrical Telescopic Pusher**
- **Pneumatical return pusher**
- Magazines with var. Dimensions applicable
- Operation NT11 operating by terminal
- Communication via SMEMA standard:

**9707 100 11190**

***Budget Loader/Unloader***

## General PCB Specifications

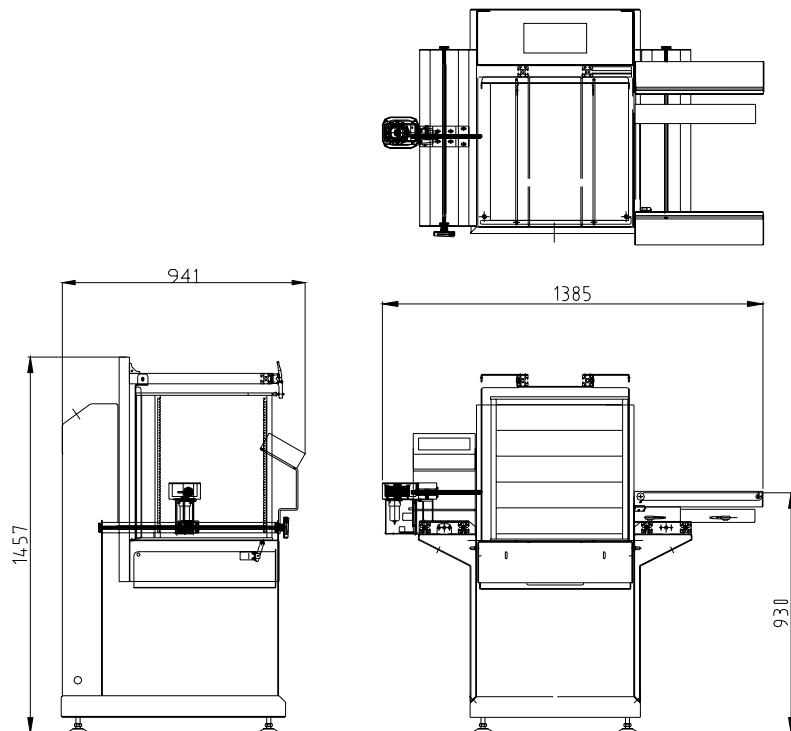
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 1386 / 941 / 1470 mm
Transport height	: 930mm +35/-25mm
Cycle time	: < 10 sec/board
Transport direction	: Left to Right
Selectable pitch	: A multiple of slots min.pitch distance 10mm
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By NT11 Operation display
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 375 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm <sup>3</sup> /h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 220 kg

## Special Options

Transport height outfeed 800mm
Colour match
Tower Light



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## Board handling

### **Functional Description**

- Changing the PCB direction 90° left or right
- Controlled by PLC
- Communication via SMEMA standard
- Hand crank width adjustment

**9707 100 11710**

**L-Turn 460**

## General PCB Specifications

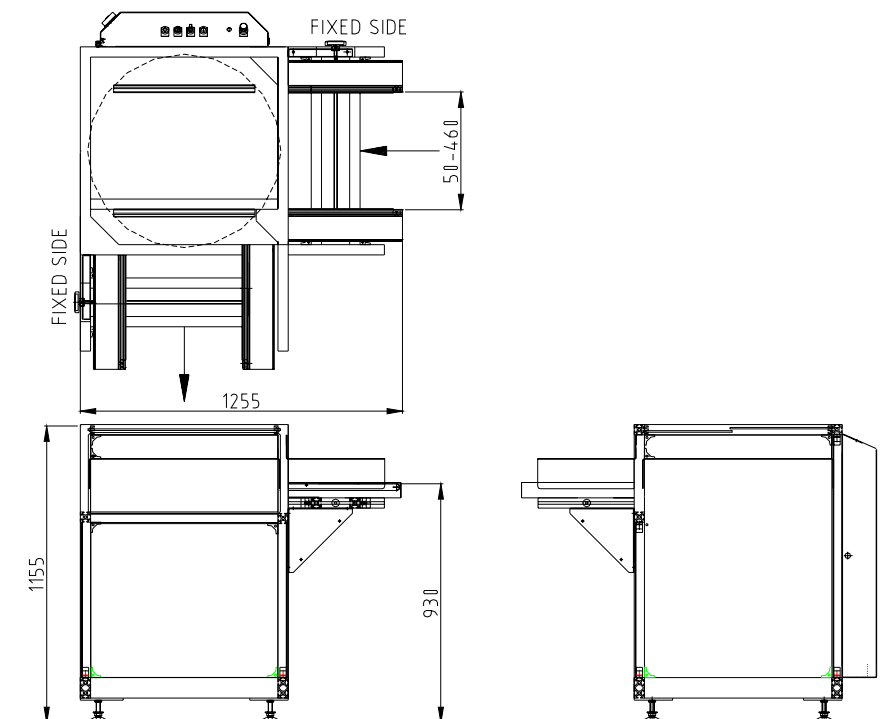
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

(L/W)/(L/W)/H	: 1315/1180/1155 mm
Transport height	: 930 mm
Cycle time	: < 10 sec/board
Control	: OMRON PLC
Motor control	: Motor Control Board
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 250 Watt
Power requirements	: 230V, 50Hz, single phase with ground.
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm³/h
Cables & wiring	: According NEN-E 60204-1
Weight	: 150 kg

## Special Options

Infeed track  
Outfeed track  
Colour match  
Tower Light



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## Board handling

### ***Functional Description***

- Transporting a PCB through a 90° left or right corner
- Controlled by PLC
- Communication via SMEMA standard
- Hand crank width adjustment
- Determination of fixed side is necessary each new situation

**9707 100 11930**

***T-Turn 460***

## General PCB Specifications

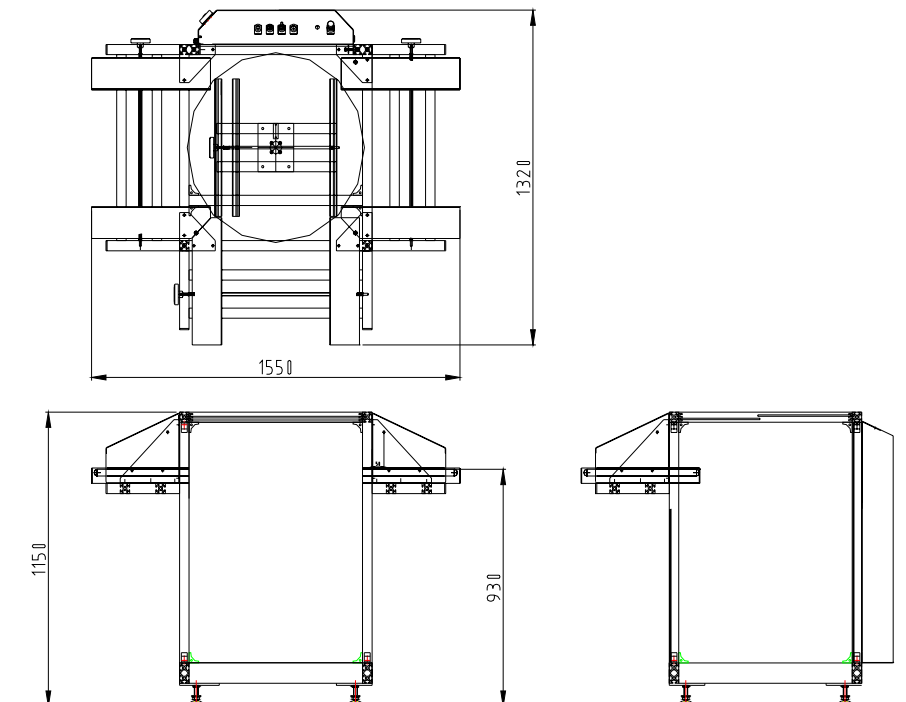
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 1550/1320/1150
Transport height	: 930mm +35/-25 mm
Cycle time	: < 10 sec/board
Control	: OMRON PLC
Motor control	: Motor Control Board
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 250 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Compr.air requirem.	: Clean, non-lubricated factory air 5-6 bar , 0,5 Nm <sup>3</sup> /h
Cables & wiring	: According NEN-EN 60204-1
Weight	: 175 kg

## Special Options

Infeed track
Outfeed track
Tower Light



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## Board handling

### **Functional Description**

- Manual Line Crossing Linking Conveyor
- Buffer 1 board
- Controlled by PLC
- Communication via SMEMA standard
- DC motor control board for var. belt speed
- Hand crank width adjustment
- Colour RAL 7035
- Pass Through width 790 mm

**Lift Gate 1000 mm**

**9707 010 03280**

## General PCB Specifications

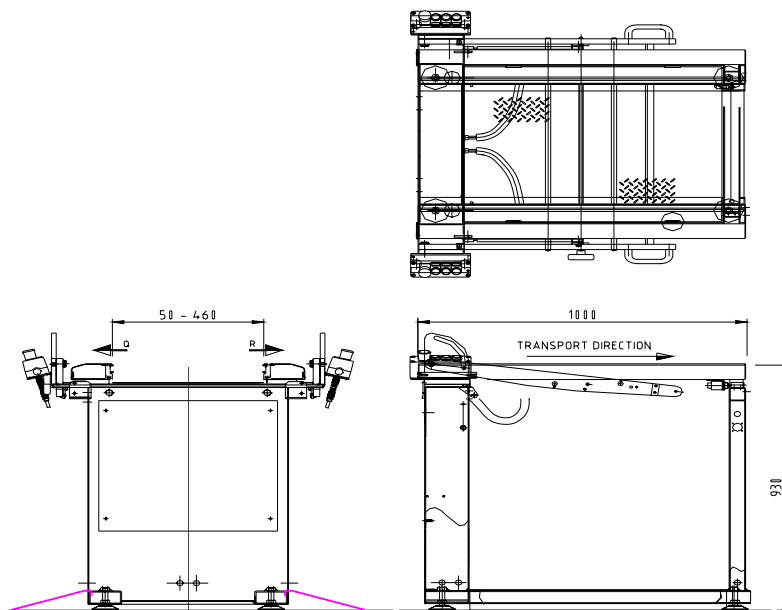
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 1000/750/1050mm
Belt segments	: 1
Belt material	: Anti static
Transport height	: 930mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute (adjustable)
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON
Motor control	: Motor Control Board
Operation	: By means of switches
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 225 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 80 kg

## Special Options

Transport direction right to left
Transport height 800mm
Colour match



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## Board handling

### ***Functional Description***

- Line Crossing Link Conveyor
- Adjustable stroke 0 till 1020mm
- Buffer 1 board
- Individually controlled by PLC
- Safety bumper in emergency circuit
- Safety sensors in emergency circuit
- Normally Open for passing through
- Closes from left to right or right to left
- Communication via SMEMA standard
- DC motor control board for var. belt speed
- Width adjustment by hand crank
- Colour RAL 7035

**9707 100 12140**

***Telescopic Gate 500***

## General PCB Specifications

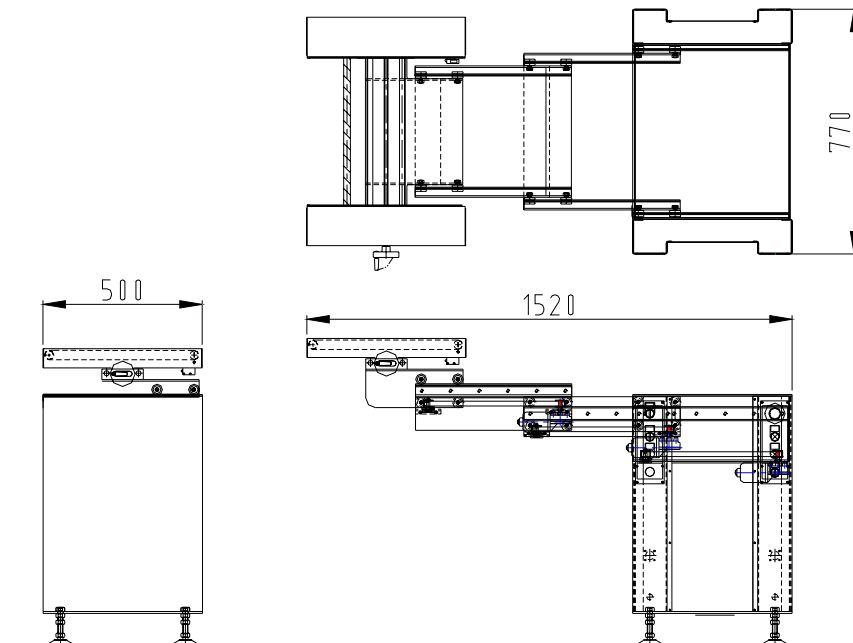
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 500-1520 mm / 770 / 935
Belt segments	: 1
Belt material	: Anti static
Transport height	: 930 mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute (adjustable)
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By means of switches
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 300 Watt
Power requirements	: 220V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 200 kg

## Special Options

PCB Transport direction right to left
Colour match
Infeed track (as shown on picture)



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## Board handling

### **Functional Description**

- Flip unit to flip a PCB over 180°
- Transport sequence
  1. Infeed PCB
  2. Flip 180°
  3. Outfeed PCB
  4. Infeed PCB
  5. Flip 180° backwards
  6. Outfeed PCB
- Pass Through facility
- Communication via SMEMA standard
- DC motor control board for var. belt speed
- Easy width adjustment
- Colour RAL 7035

**Flip Over 500 IT OT**  
**9707 100 07620**

## General PCB Specifications

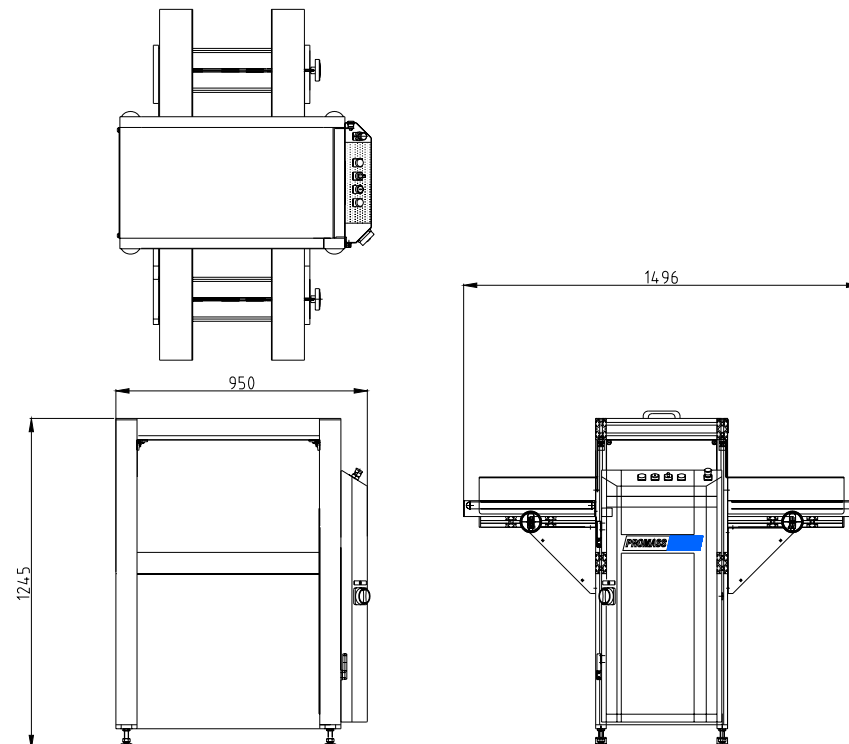
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 950 / 498 / 1496 mm
Belt segment	: 1
Belt material	:Anti static
Transport height	: 930mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By means of switches
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 300 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 80 kg

## Special Options

Infeed track, length = 500 mm
Outfeed track, length = 500 mm
Bi-directional (conformal coating)
Transport height 800mm
Covers on in and outfeed track



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## Board handling

### ***Functional Description***

- Linking Conveyor or Oven Outfeed
- Controlled by PCB
- Start Sensor
- Stop Sensor (track full detection)
- Fixed end stoppers
- Heat resistant accumulating chain
- DC motor control board for var. belt speed
- Easy hand crank width adjustment
- Distance between pedestals 1000 mm
- Polymer infeed corner protection noses for carrier protection
- 2x 24 V DC motor drives

**9707 100 04960**

***Buffer Section 2000-1***

## General PCB Specifications

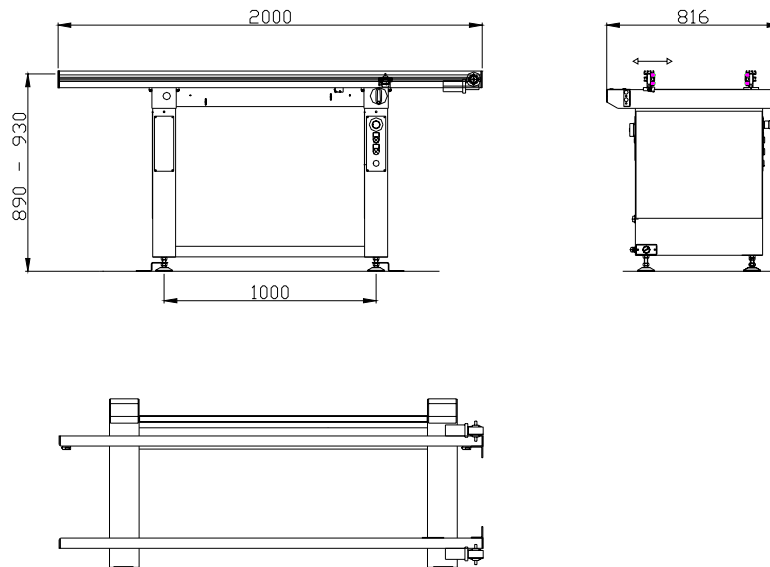
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 2000 / 816 / 935 mm
Chain segments	: 1
Chain roll material	: Viton; Heat resistant until max 200°C
Transport height	: 890 - 940 mm
Transport width	: 50-460mm
Transport speed	: 2 meter /minute
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By means of switches
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 225 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 85 kg

## Special Options

Transport direction right to left  
Work station  
ESD connection  
Footrest



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## Board handling

### **Functional Description**

- Slope up Conveyor 7° (second segment)
- Buffering 2 pcs of PCB's
- Controlled by PLC
- Communication via SMEMA standard
- DC motor control board for var. belt speed
- Hand crank width adjustment

**9707 100 02780**

**Wave Solder Infeed 1000 mm**

## General PCB Specifications

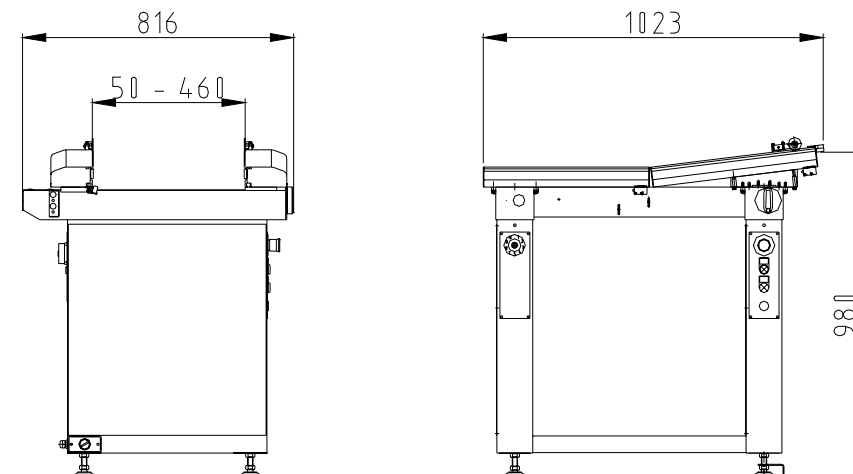
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 1023/816/ > 980 mm
Belt segments	: 2
Belt material	: Anti static
Transport height (inf)	: 930mm +35/-25mm
Transport height (outf)	: >980 mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter /minute
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: By means of switches
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 300 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Fuse	: 8 Amp
Weight	: 90 kg

## Special Options

Low/high speed control at second segment
Inspection station on first segment
ESD connection
Colour match



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## Board handling

### **Functional Description**

- Slope up Conveyor 7° (second segment)
- Buffering 2 pcs of PCB's
- Controlled by PLC
- Communication via SMEMA standard
- DC motor control board for var. belt speed
- Hand crank width adjustment

**9707 100 07190**

**Wave Solder Outfeed 2500-3 mm**

## General PCB Specifications

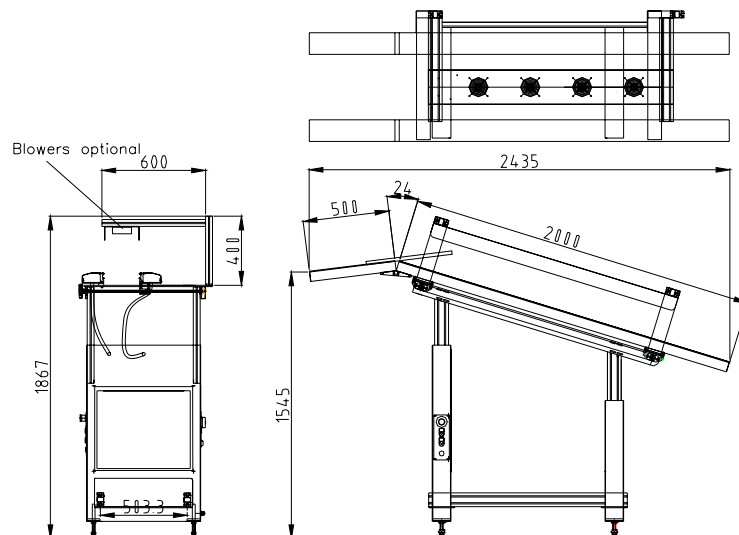
Width	: 50 to 460 mm
Thickness	: 0,6 to 2 mm
Length	: 100 to 460 mm
Length/width ratio	: minimum 8:10
Warpage	: Up to 1% of the boards diagonal with a max. of 4mm
Transport edge	: min. 3mm from board edge
Max. comp. height	: 50 mm for top & bottom side
Maximum. Weight	: 2,3 Kg

## General Module Specifications

Module L/W/H	: 2435 / 755 / 1867 mm
Belt segment	: 3
Transport height (inf)	: ±1500 mm +35/-25mm
Transport height (outf)	: 930 mm +35/-25mm
Transport width	: 50-460mm
Transport speed	: 15 meter / minute
Transport direction	: Left to Right
Fixed rail	: Front facing from operator side
Control	: OMRON PLC
Motor control	: Motor Control Board
Operation	: Push Buttons
Software	: Syswin
Colour	: Ral 7035
Power consumption	: 300 Watt
Power requirements	: 230V, 50Hz, single phase with ground
Cables & wiring	: According NEN-EN 60204-1
Weight	: 110 kg

## Special Options

ESD connection
Power outlet
Colour match
Micro chain instead of Belt Track
Blowers



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