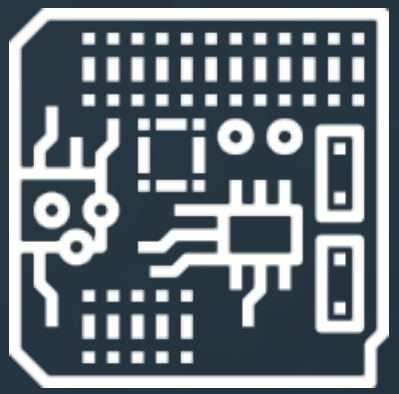
BOARD HANDLING



Conveyors FX-HC00



PCB Conveyors

Transports boards between different processing machines

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety cover with safety sensors
- Standard length 500, 1000, 1500 mm
- Standard motorized segment 500 mm

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Conveyors FX-HC00

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 60 kg

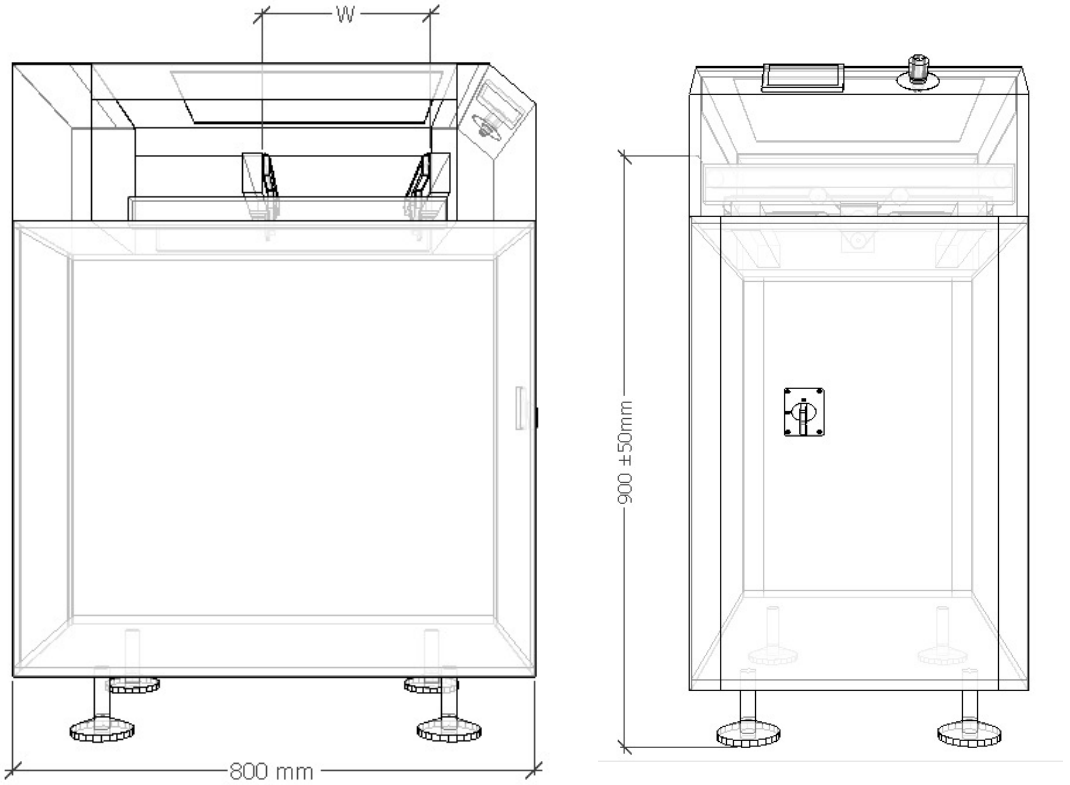
PCB specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- Fumes extractor
- Fail interceptor
- 6 or 18 m/min conveyor speed
- Cooling fans
- Automatic Width Adjustment (AWA)
- Dual speed (oven infeed)
- 8 mm carrying edge

Standard Modules			
L	500 mm	1.000 mm	1.500 mm
W	800 mm	800 mm	800 mm
Special Length Upon Request			



https://bit.ly/FENIX_HANDLING

Conveyors FX-HC51 / HC53 Basic Line

BOARD HANDLING







PCB Conveyors

Transports boards between different processing machines

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety cover with safety sensors
- Standard length 500, 1000, 1500 mm
- Standard motorized segment 500 mm

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Conveyors FX-HC51 / HC53 Basic Line

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 60 kg

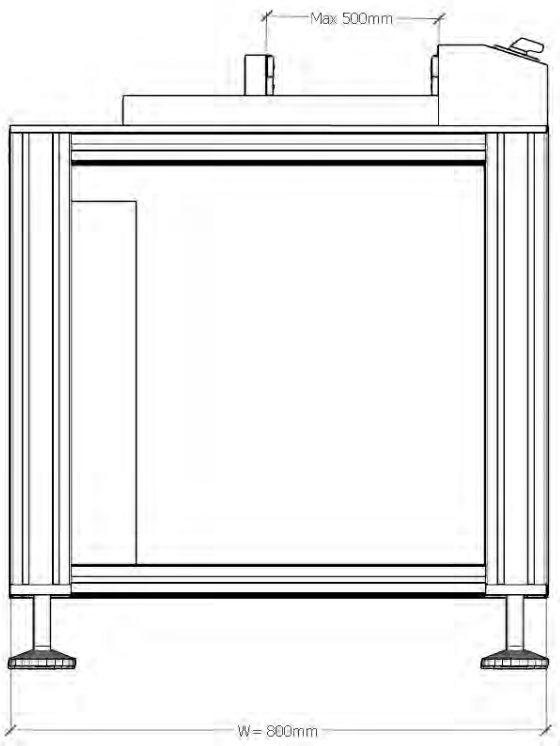
PCB specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- Top cover
- 6 or 18 m/min conveyor speed
- Cooling fans
- Automatic Width Adjustment (AWA)
- Dual speed (oven infeed)
- 8 mm carrying edge

Standard Modules			
L	500 mm	1.000 mm	1.500 mm
W	800 mm	800 mm	800 mm
Special Length Upon Request			





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Shuttle conveyor FX-HS25

BOARD HANDLING



Shuttle conveyor

Transports boards between parallel lines

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety cover with safety sensors
- Standard length 500 mm
- Standard motorized segment 500 mm

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Shuttle conveyor FX-HS25

Technical Features

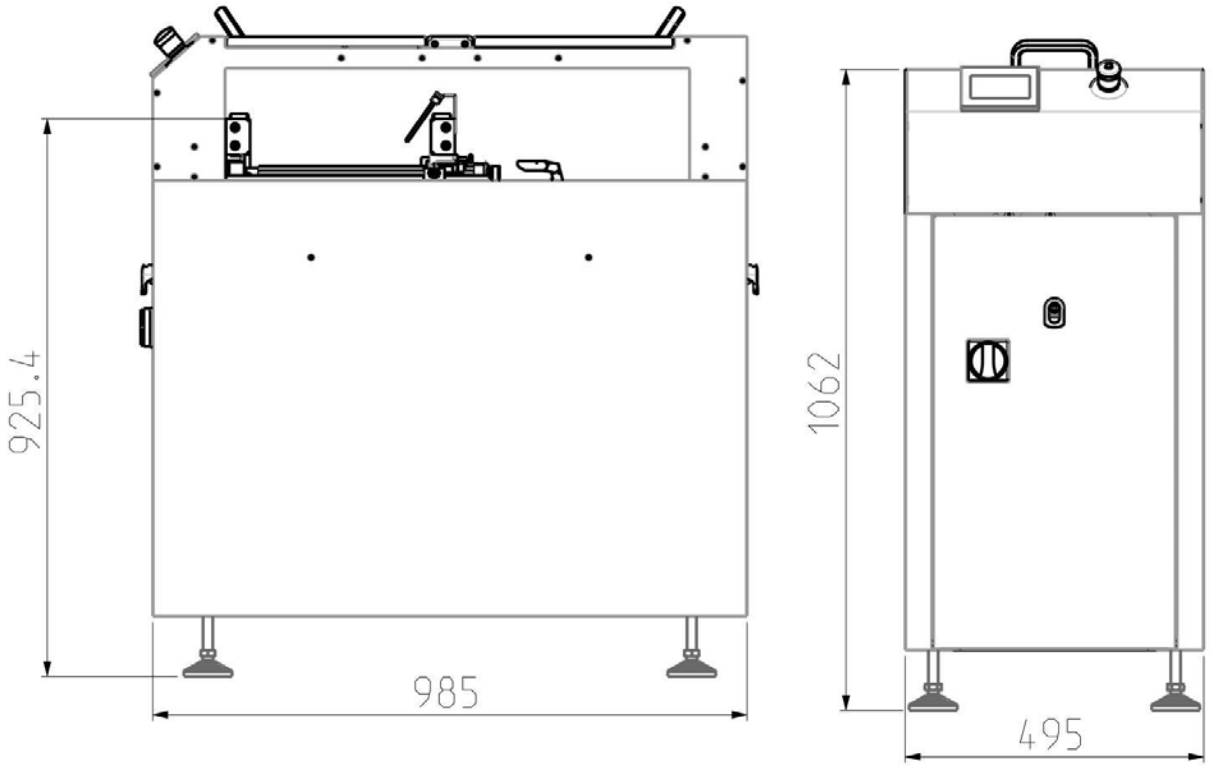
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (std carrying edge 3 mm)
- Stroke 320 mm
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 60 kg

PCB specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- Fumes extractor
- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- 8 mm carrying edge



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Dual lane conveyor FX-HD00

BOARD HANDLING



Dual rail conveyor

Transports boards in two rows between different processing Machines

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety cover with safety sensors
- Standard length 500
- Standard motorized segment 500 mm

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Dual lane conveyor FX-HD00

Technical Features

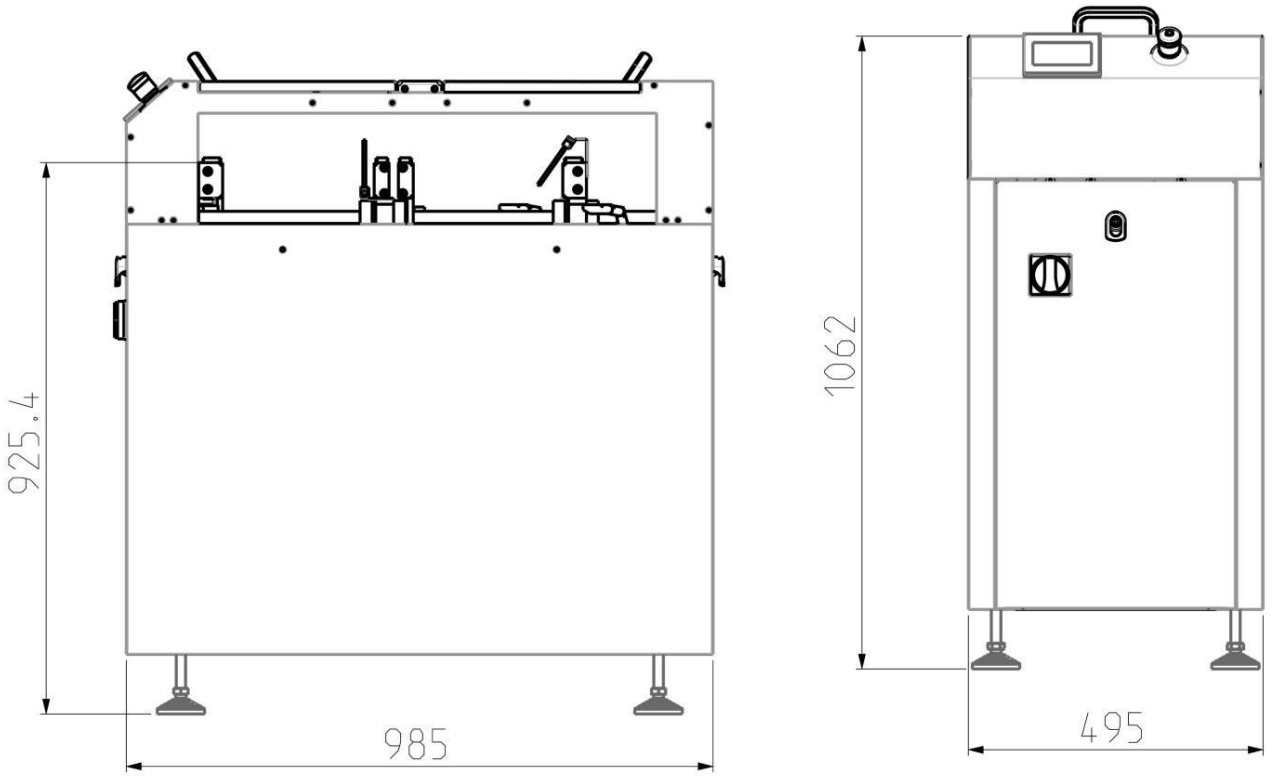
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (std carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 60 kg

PCB specification

- Max/Min PCB width 257 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- Fumes extractor
- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- Dual speed (oven infeed)
- 8 mm carrying edge



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Dual level conveyors FX-HD10 / HD11



Dual level conveyors

On the upper level, dual level conveyors transport boards between different processing machines while underneath they send selected boards backflow

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety cover with safety sensors
- Standard length 500, 1000, 1500 mm
- Standard motorized segment 500 mm

Dual lane conveyor FX-HD10 / HD11

Technical Features

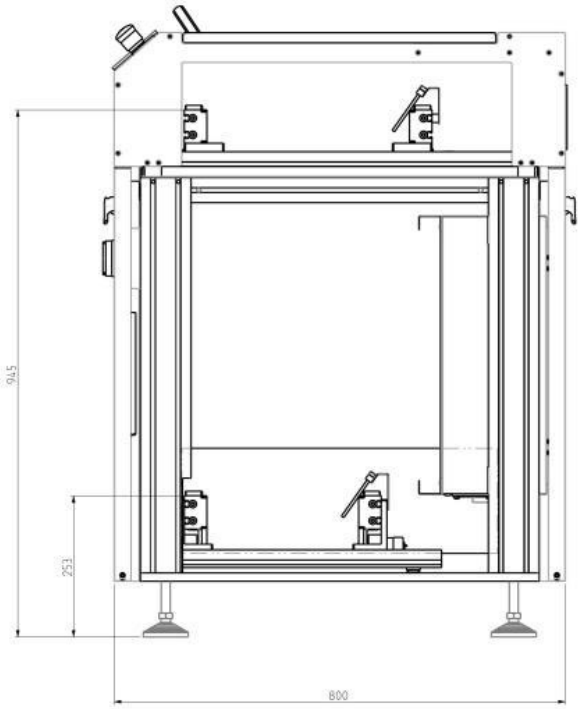
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (Carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor Speed 12 m/min
- Electric Width Adjustment (EWA)
- Lower conveyors height 245 mm
- Weight 150 kg

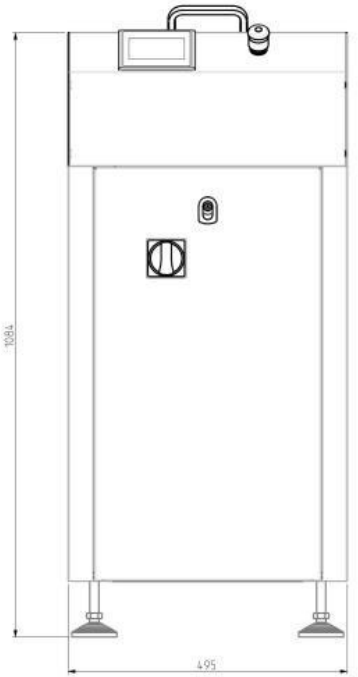
PCB specification

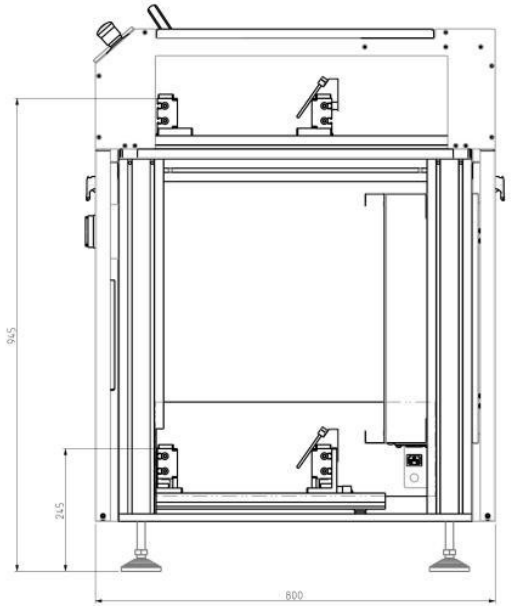
- Max/Min PCB width 500 mm / 60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

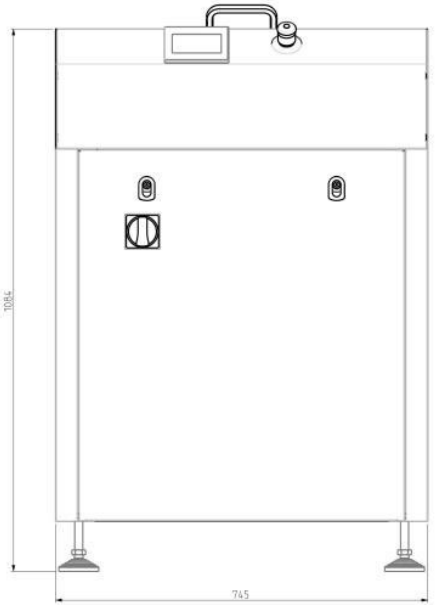
Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)









https://bit.ly/FENIX_HANDLING

Flat belt conveyor FX-HE00



Flat belt conveyor

Suitable for the transportation of various materials
Used as an outfeed of processing machines or as a link between manual work stations.
Length and width are configurable upon request.

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Flat belt conveyor FX-HE00

Technical Features

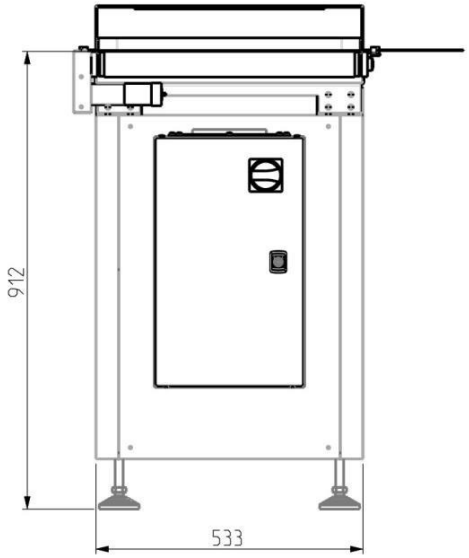
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Power Supply - 230Vac 50/Hz 16
- Std Conveyor Speed 12 m/min
- Weight average 150 kg

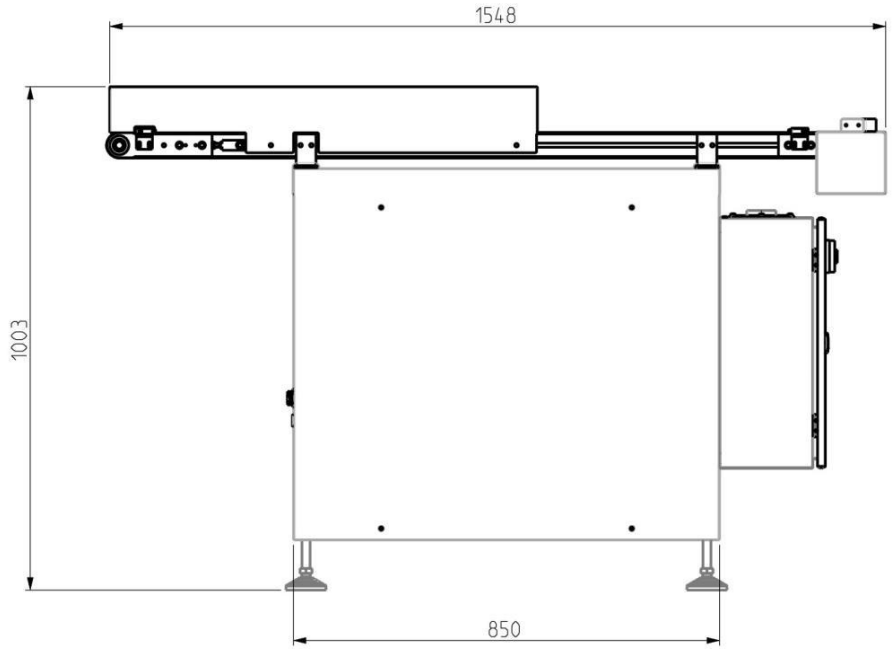
Dimensions

- Upon request

Options

- 6 or 18 m/min conveyor speed
- Further options upon request





https://bit.ly/FENIX_HANDLING

PCB Unstacker FX-HB00

BOARD HANDLING



PCB Unstacker and line loader

Loads naked boards, supplied in a stack, onto a production line

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety barriers

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

PCB Unstacker FX-HB00

Technical Features

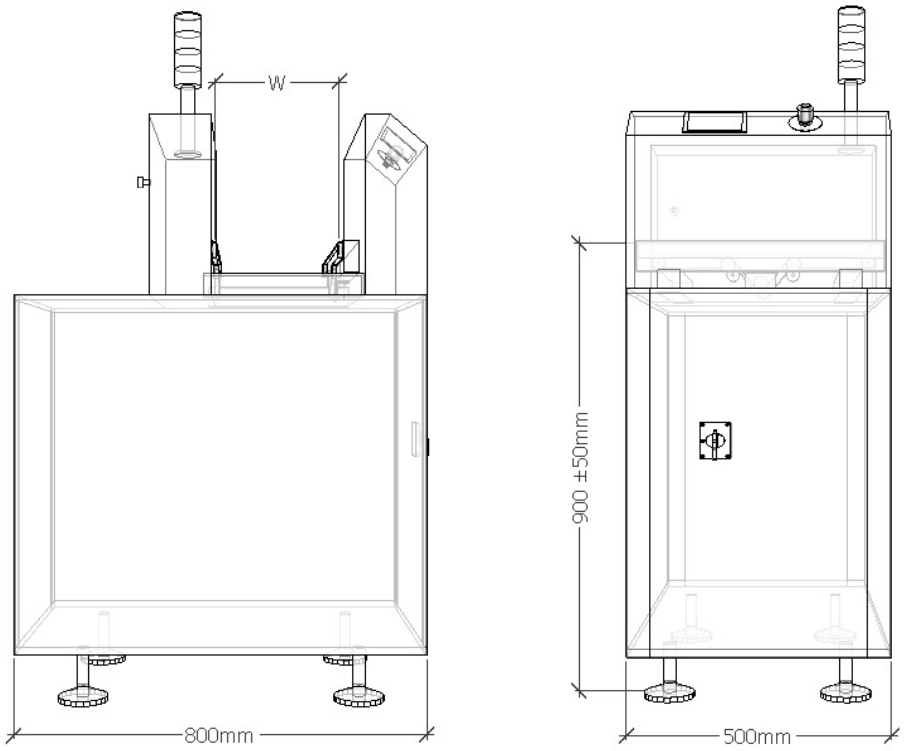
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Electric Width Adjustment (EWA)
- Std conveyor speed 12 m/min
- Power Supply - 230Vac 50/Hz 1A
- Air pressure 6 bar
- Weight 150 kg

PCB specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)



https://bit.ly/FENIX_HANDLING

Line loaders 3-5 racks FX-HL00

BOARD HANDLING



Line loaders 3-5 racks

Unloads PCBs from a rack and loads them onto a production line

- R to L or L to R flow direction
- User interface by touch screen
- Programmable unloading pitch
- Automatic rack handlers
- Full racks in lower conveyor level
- Empty racks in the upper conveyor level

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line loaders 3-5 racks FX-HL00

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Power Supply - 230Vac 50/Hz 1A
- Air pressure 6 bar
- Weight 250 kg

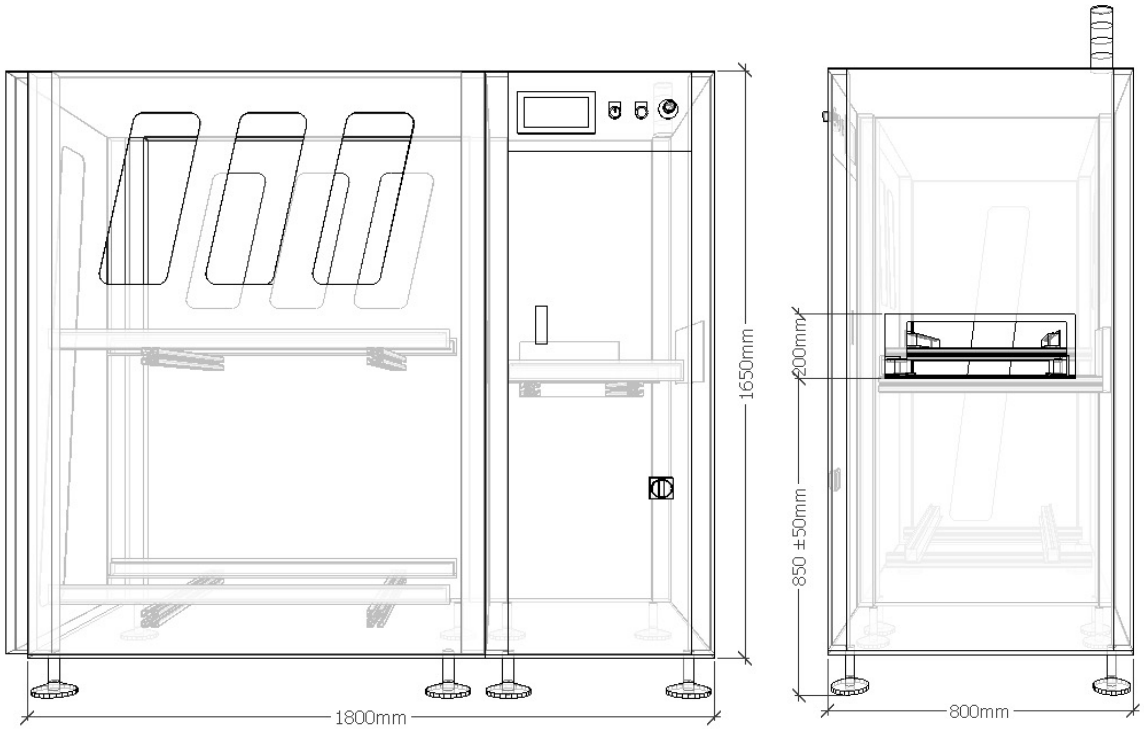
PCB & rack specification

- Max/Min PCB width 500 mm/100 mm
- Max PCB length 457 mm
- Max PCB weight 2 kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)

Standard Modules		
Rack capacity	3 Racks	5 Racks
L	1.250 mm	1.800 mm
Special Length Upon Request		



https://bit.ly/FENIX_HANDLING

Line loaders 3-5 racks FX-HL20 / HL25 Basic Line

BOARD HANDLING



Line loaders 3-5 racks

Unloads PCBs from a rack and loads them into a production line

- R to L or L to R flow direction
- User interface by touch screen
- Programmable unloading pitch
- Automatic rack handlers
- Full racks in lower conveyor level
- Empty racks in the upper conveyor level

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line loaders 3-5 racks FX-HL20 / HL25

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Power Supply - 230Vac 50/Hz 1A
- Air pressure 6 bar
- Weight 250 kg

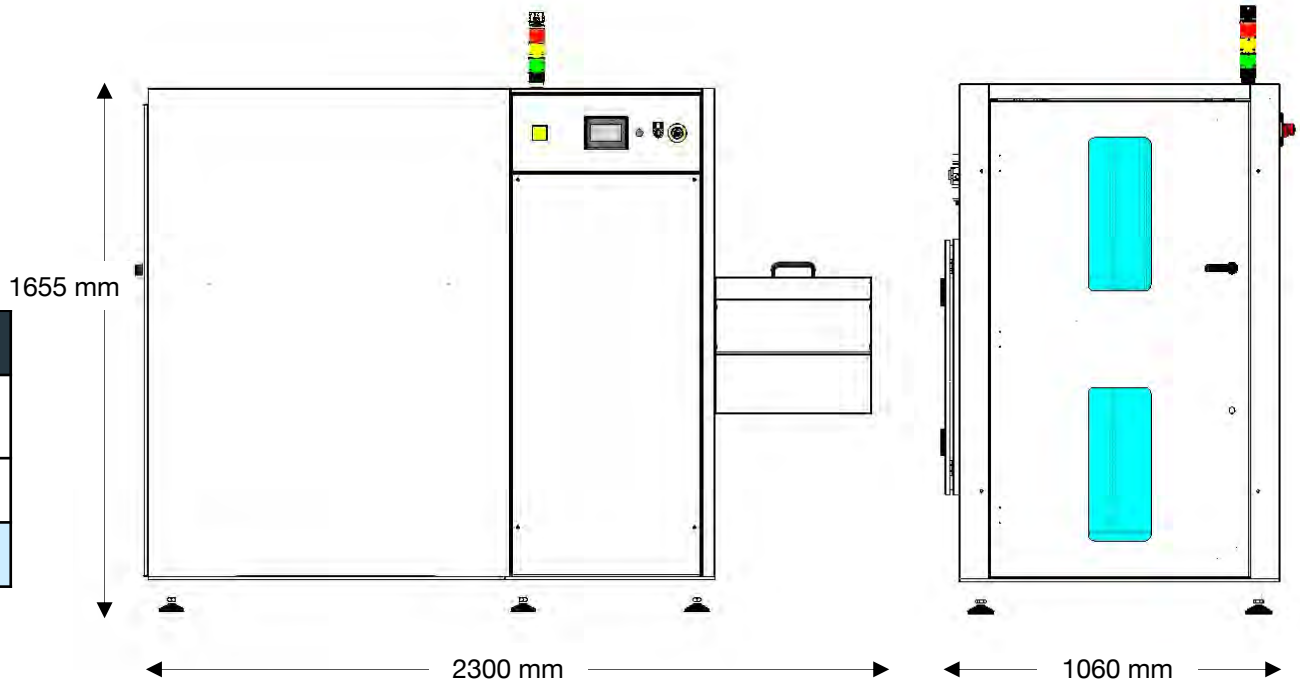
PCB & rack specification

- Max/Min PCB width 500 mm/100 mm
- Max PCB length 457 mm
- Max PCB weight 2 kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)

Standard Modules		
Rack capacity	3 Racks (HL25)	5 Racks (HL20)
L	1.750 mm	2.350 mm
Special Length Upon Request		



https://bit.ly/FENIX_HANDLING

Line loaders 2-3 racks FX-HL30 / HL31

BOARD HANDLING



Line loaders 2-3 racks

Loads PCBs into a production line and unloading racks

- R to L or L to R flow direction
- User interface by touch screen
- Programmable unloading pitch
- Managing three racks in parallel



FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line loaders 2-3 racks FX-HL30 / HL31

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std infeed conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 290 kg

PCB specification

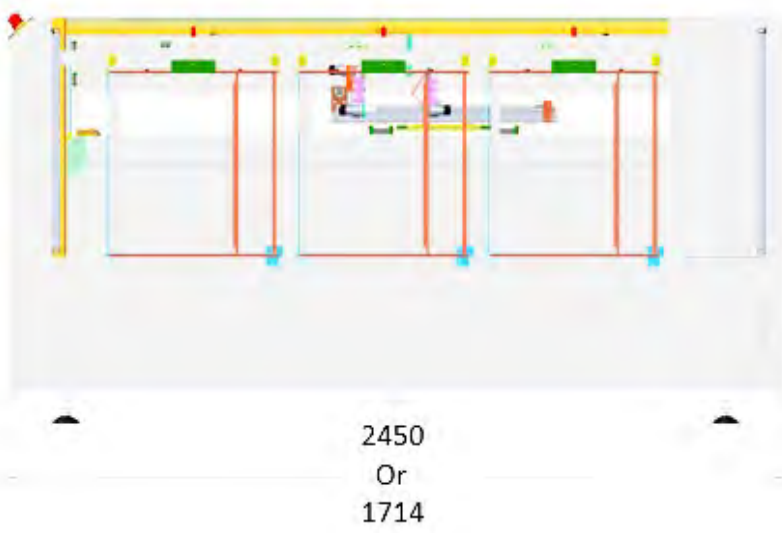
- Max/min PCB width 500 mm/60 mm
- Max PCB length 450 mm
- Max PCB weight 2 Kg
- Max rack dimensions
  (L: 535 mm W: 530 mm H: 575 mm)
- HU-31 Max rack dimensions
  3 pcs (L535mm W320mm H575mm)
  2 pcs (L535mm W530mm H575mm

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)

Standard Modules		
Rack capacity	2 Racks	3 Racks
L	1.714 mm	2.450 mm
Special Length Upon Request		





https://bit.ly/FENIX_HANDLING

Long Board Loader FX-HB10

BOARD HANDLING



Long Board Loader

Pickup long PCBs (up to 1500mm length) from e stack and loads them into a production line

- R to L or L to R flow direction
- User interface by touch screen
- Easy loading of PCBs stack by a movable drower

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Long Board Loader FX-HB10

Technical Features

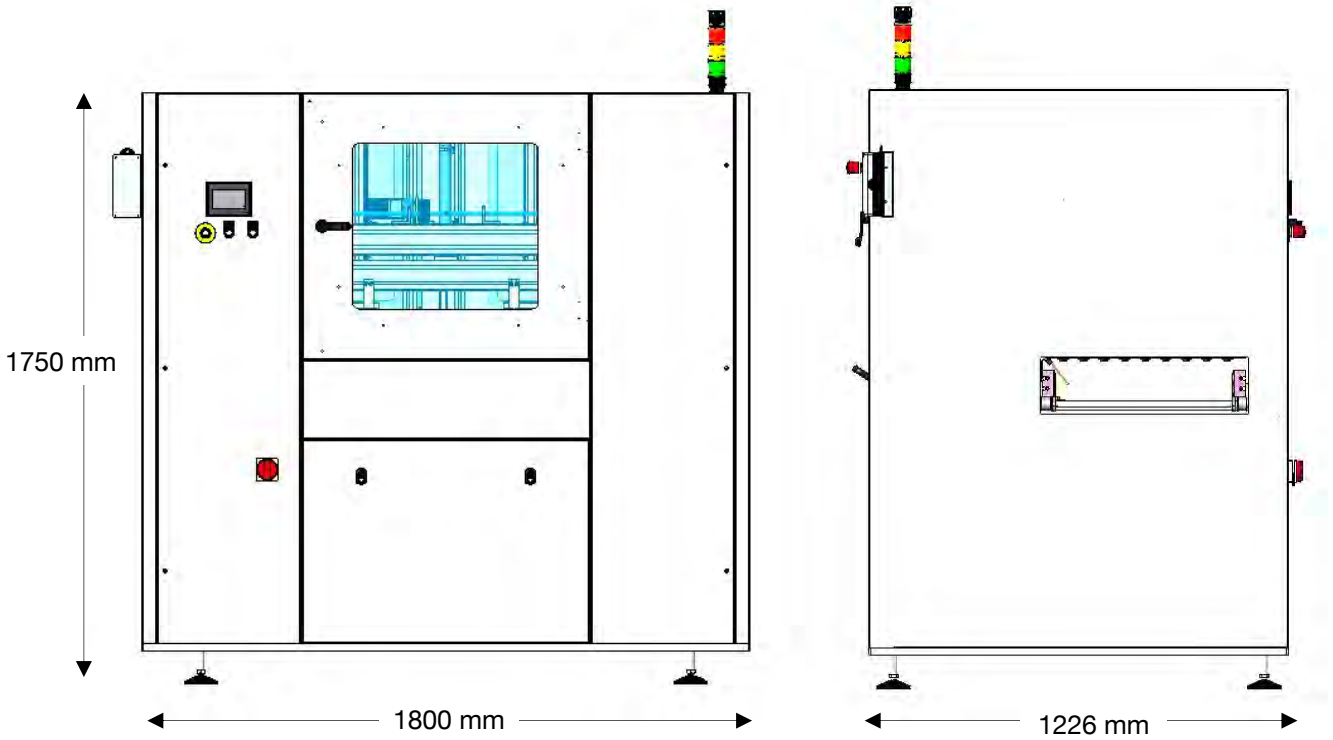
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Power Supply - 230Vac 50/Hz 1A
- Air pressure 6 bar
- Weight 250 kg

PCB & rack specification

- Max/Min PCB width 500 mm/100 mm
- Max PCB length 1500 mm
- Max PCB weight 2 kg

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)



https://bit.ly/FENIX_LONGBOARD

Single rack handler FX-HR00 / HR25

BOARD HANDLING



Single rack handler

Line loader (Rack-unloader) as version HR-00
Line unloader (Rack loader) as version HR-25

- R to L or L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Single rack handler FX-HR00 / HR25

Technical Features

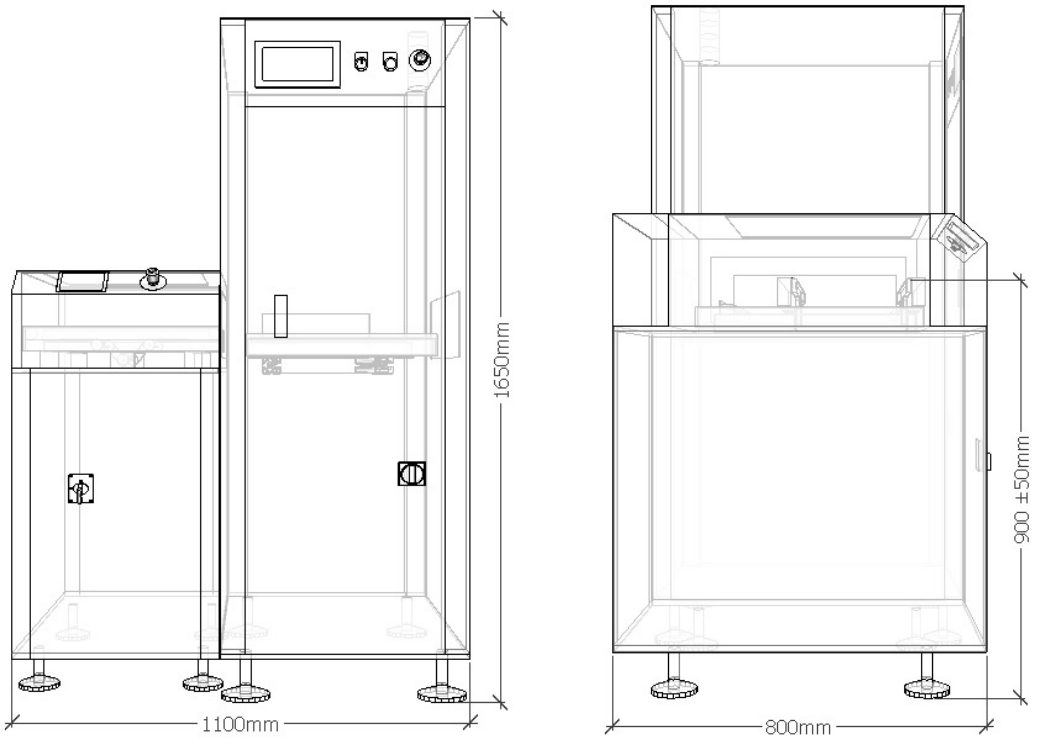
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)- only in HR-25
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min- only in HR-25
- Electric Width Adjustment (EWA) only in HR-25
- Weight 150 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed- only in HR-25
- Automatic Width Adjustment (AWA)- only in HR-25



https://bit.ly/FENIX_FIFORACK2

https://bit.ly/FENIX_HANDLING

Single rack handler FX-HR05 / HR31 Basic Line

BOARD HANDLING



Single rack handler

Line loader (Rack-unloader) as version HR-05
Line unloader (Rack loader) as version HR-31

- R to L or L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Single rack handler FX-HR05 / HR-31

Technical Features

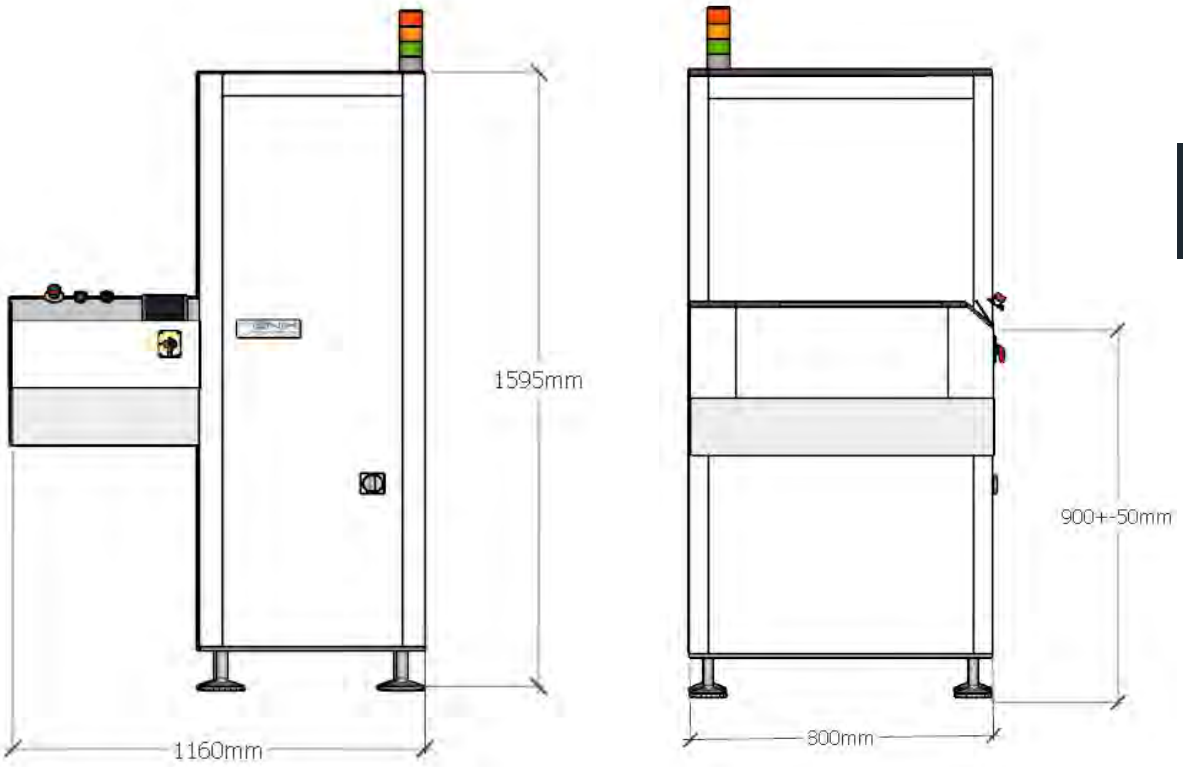
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)- only in HR-25
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min- only in HR-25
- Electric Width Adjustment (EWA) only in HR-25
- Weight 150 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

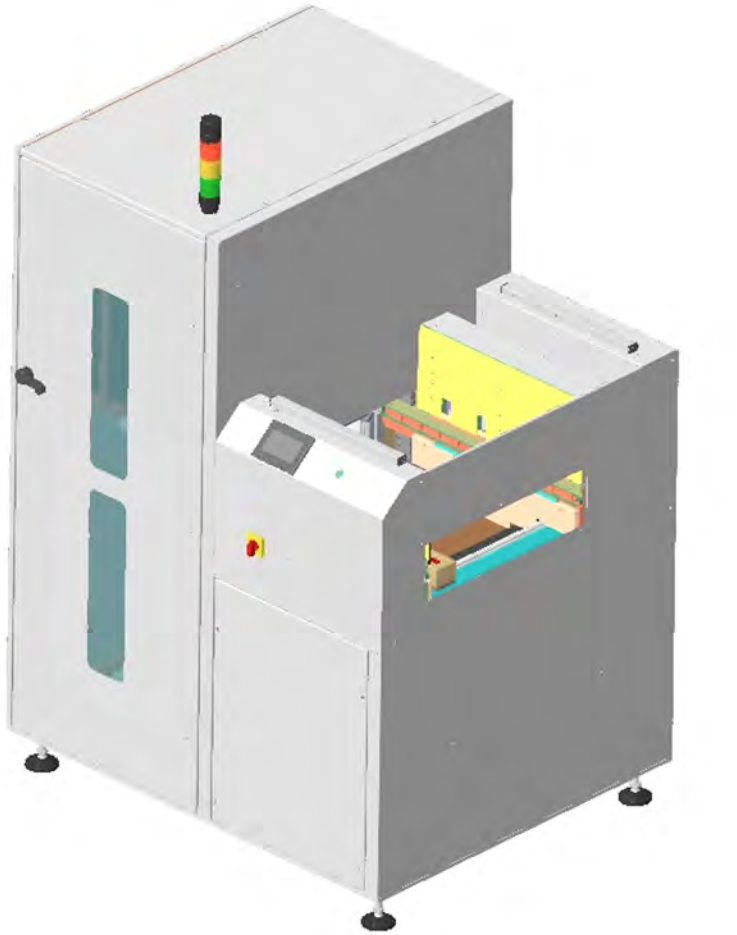
- 6 or 18 m/min conveyor speed- only in HR-25
- Automatic Width Adjustment (AWA)- only in HR-25



https://bit.ly/FENIX_HANDLING

Single rack handler combo FX-HB20

BOARD HANDLING



Single rack handler with bare board unstacker

Line loader (Rack-unloader) as version HR-00
Line unloader (Rack loader) as version HR-25

- R to L or L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Single rack handler combo FX-HB20

Technical Features

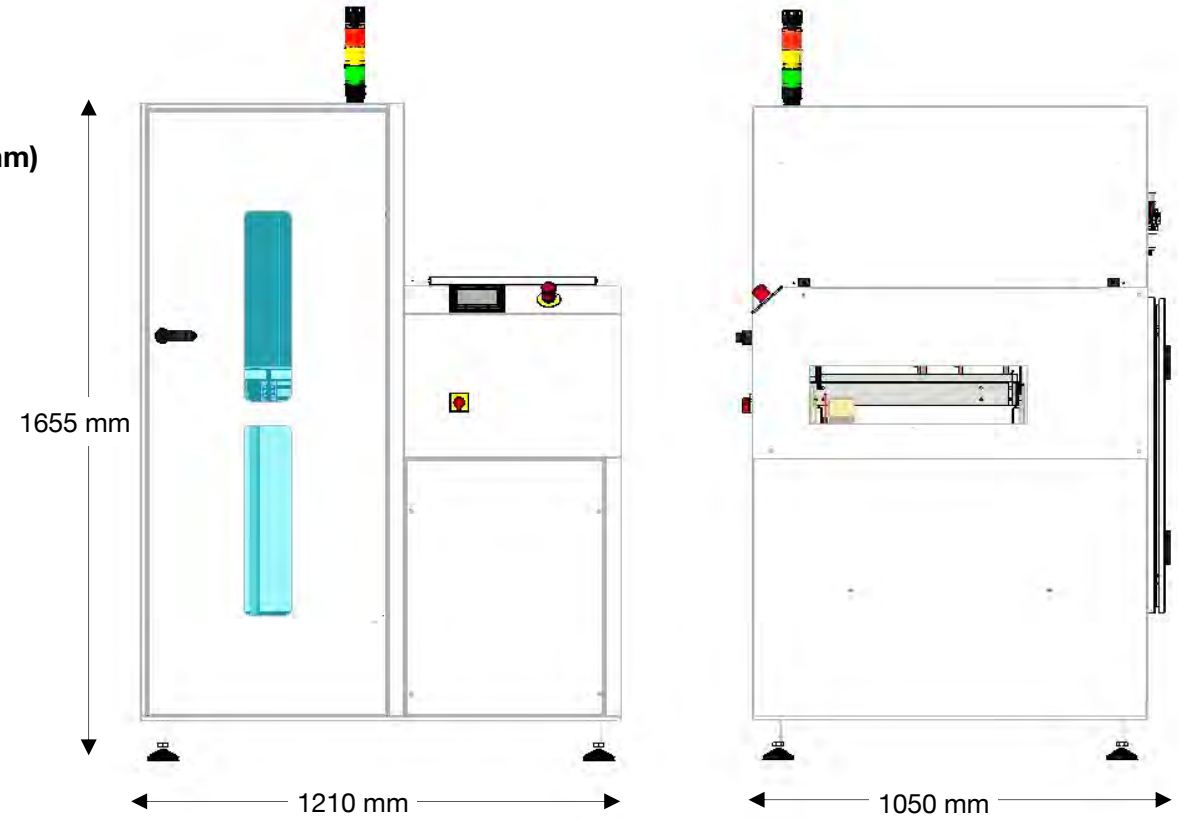
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)- only in HR-25
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min- only in HR-25
- Electric Width Adjustment (EWA) only in HR-25
- Weight 180 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed- only in HR-25
- Automatic Width Adjustment (AWA)- only in HR-25



https://bit.ly/FENIX_HANDLING

PCB Stacker FX-HB01

BOARD HANDLING



PCB Stacker and line unloader

Unloads naked boards from a production line and piles them in a stack

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety barriers

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

PCB Stacker FX-HB01

Technical Features

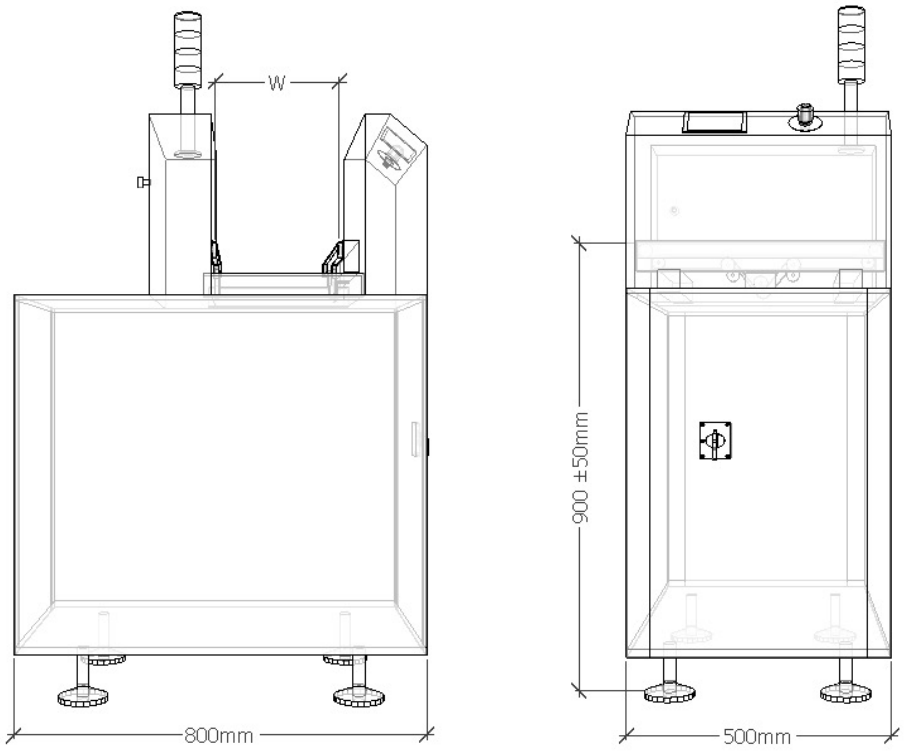
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Air pressure 6 bar
- Weight 150 kg

PCB specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)



https://bit.ly/FENIX_HANDLING

Line unloaders 3-5 racks FX-HU00

BOARD HANDLING



Line unloaders 3-5 racks

Unloads PCBs from a production line for loading into a rack

- R to L or L to R flow direction
- User interface by touch screen
- Programmable unloading pitch
- Automatic rack handlers
- 500 mm infeed conveyor
- Full racks in the lower conveyor level
- Empty racks in the upper conveyor level



FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line unloaders 3-5 racks FX-HU00

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std infeed conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Air pressure 6 bar
- Weight 280 kg

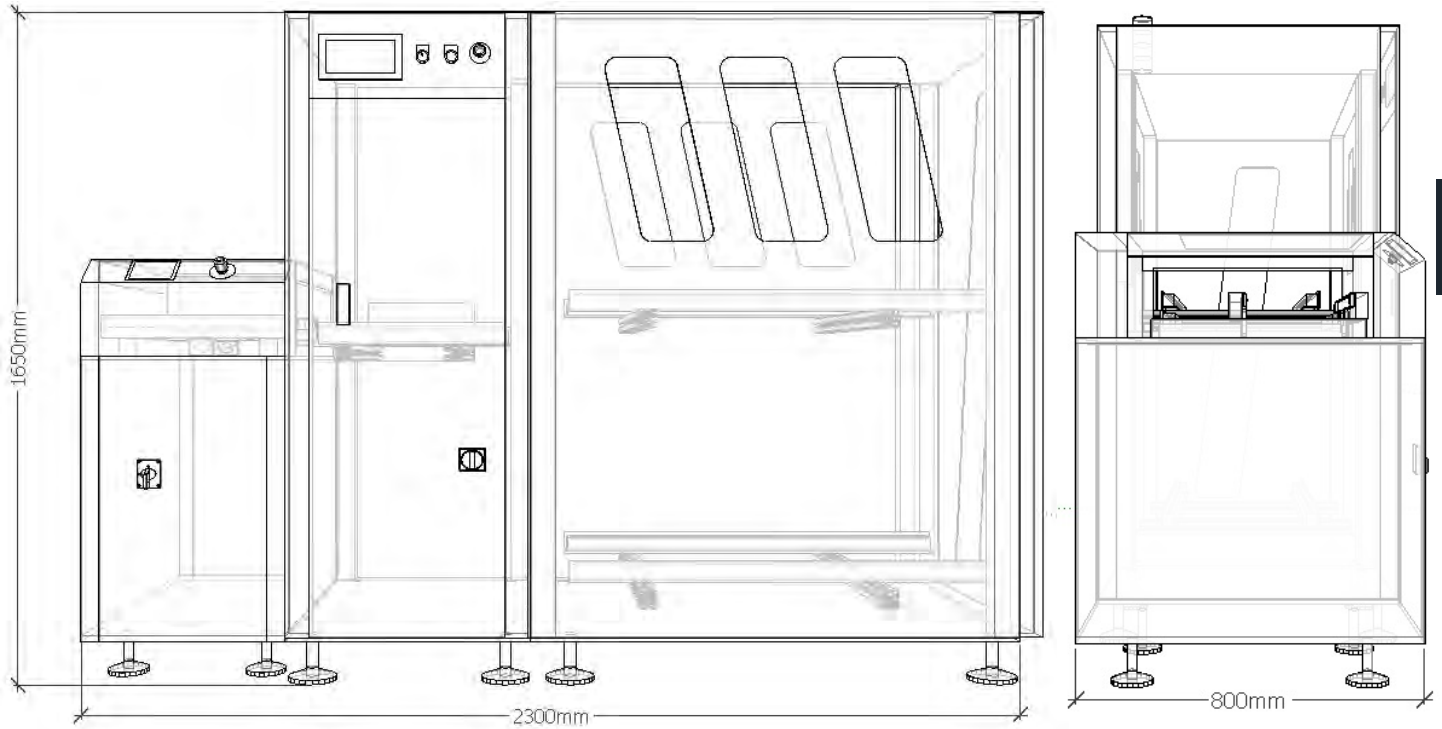
PCB specification

- Max/min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions
  (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- 1.000 mm infeed conveyor

Standard Modules		
Rack capacity	3 Racks	5 Racks
L	1.750 mm	2.300 mm
Special Length Upon Request		



https://bit.ly/FENIX_HANDLING

Line Unloaders 3-5 racks FX-HU25 / HU20 Basic Line

BOARD HANDLING



Line Unloaders 3-5 racks

Unloads PCBs from production line and loads them into a rack

- R to L or L to R flow direction
- User interface by touch screen
- Programmable unloading pitch
- Automatic rack handlers
- Full racks in lower conveyor level
- Empty racks in the upper conveyor level

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line Unloaders 3-5 racks FX-HU25 / HU20

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Power Supply - 230Vac 50/Hz 1A
- Air pressure 6 bar
- Weight 250 kg

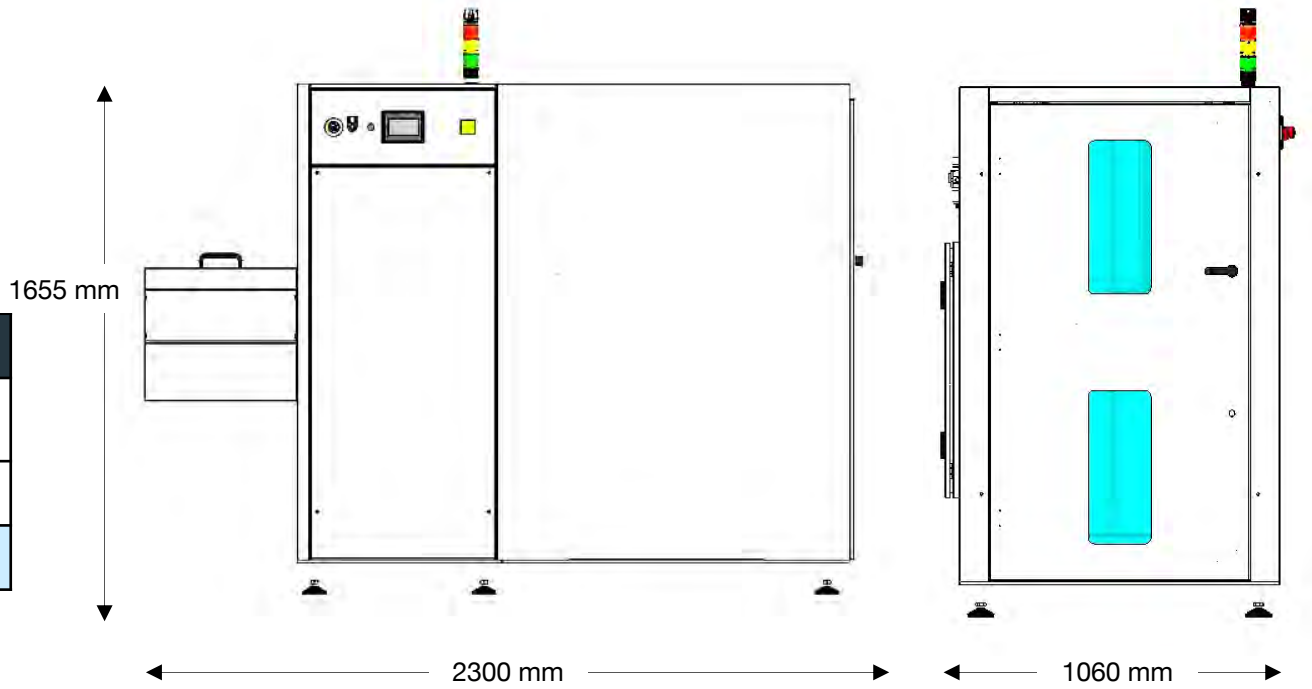
PCB & rack specification

- Max/Min PCB width 500 mm/100 mm
- Max PCB length 457 mm
- Max PCB weight 2 kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)

Standard Modules		
Rack capacity	3 Racks (HU25)	5 Racks (HU20)
L	1.750 mm	2.350 mm
Special Length Upon Request		



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Line unloaders 2-3 racks FX-HU30 / HU31

BOARD HANDLING



Line unloaders 2-3 racks

Unloads PCBs from a production line for loading into a rack

- R to L or L to R flow direction
- User interface by touch screen
- Programmable unloading pitch
- Managing three racks in parallel
- Separation of filed board from ok board after AOI o testing equipament



FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line unloaders 2-3 racks FX-HU30 / HU31

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std infeed conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 290 kg

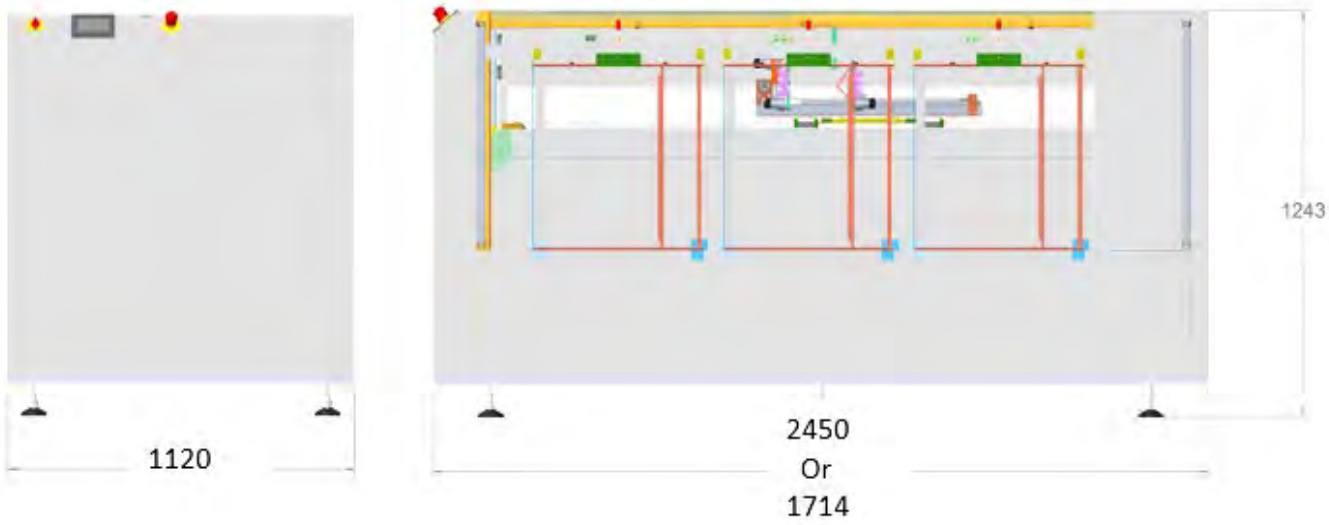
PCB specification

- Max/min PCB width 500 mm/60 mm
- Max PCB length 450 mm
- Max PCB weight 2 Kg
- Max rack dimensions
  (L: 535 mm W: 530 mm H: 575 mm)
- HU-31 Max rack dimensions
  3 pcs (L535mm W320mm H575mm)
  2 pcs (L535mm W530mm H575mm

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)

Standard Modules		
Rack capacity	2 Racks	3 Racks
L	1.714 mm	2.450 mm
Special Length Upon Request		



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Line unloader - Bad & Good separator FX-HM00

BOARD HANDLING



Line unloader - Bad & Good separator

Line unloader to rack modules with separation of passed boards from failed ones

- R to L or L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch
- Bad and Good boards can be forwarded to the upper or the lower conveyor level as desired



FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Line unloader - Bad & Good separator FX-HM00

Technical Features

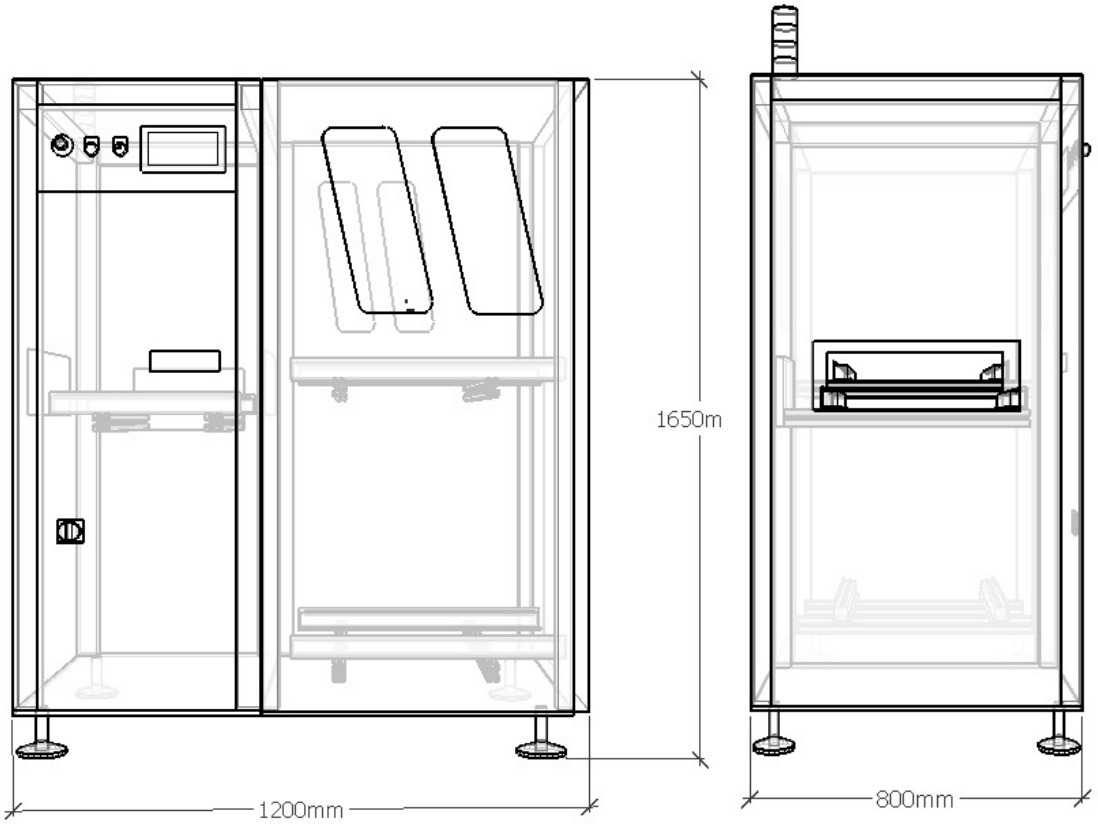
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Air pressure 6 bar
- Weight 250 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)



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Long Board UnLoader FX-CA05

BOARD HANDLING



Long Board UnLoader

Line unloader to rack modules with separation of passed boards from failed ones

- R to L or L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch
- Bad and Good boards can be forwarded to the upper or the lower conveyor level as desired

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Long Board UnLoader FX-CA05

Technical Features

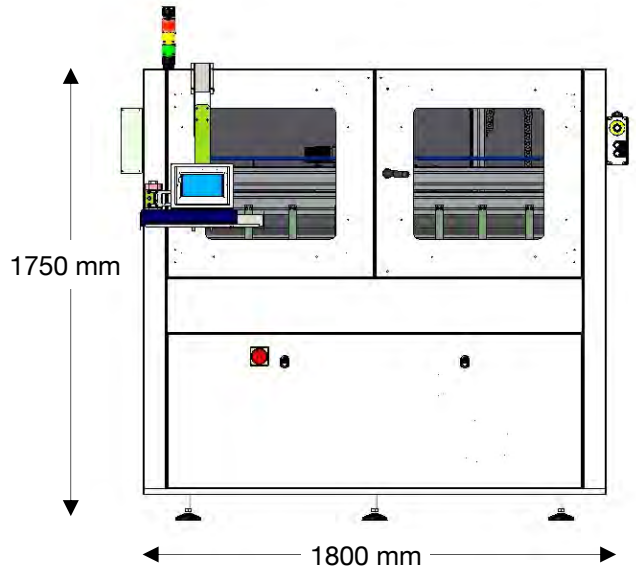
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Air pressure 6 bar
- Weight 250 kg

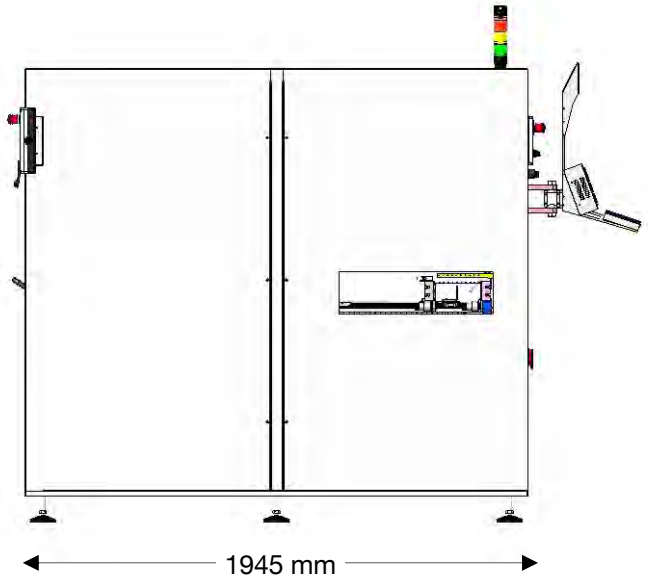
PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 1500 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- LED on/off test function





https://bit.ly/FENIX_FX-CA05

Single rack unloader FX-HR35 Basic Line

BOARD HANDLING



Single rack unloader HR35

- R to L or L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch
- Small footprint

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Single rack unloader FX-HR35

Technical Features

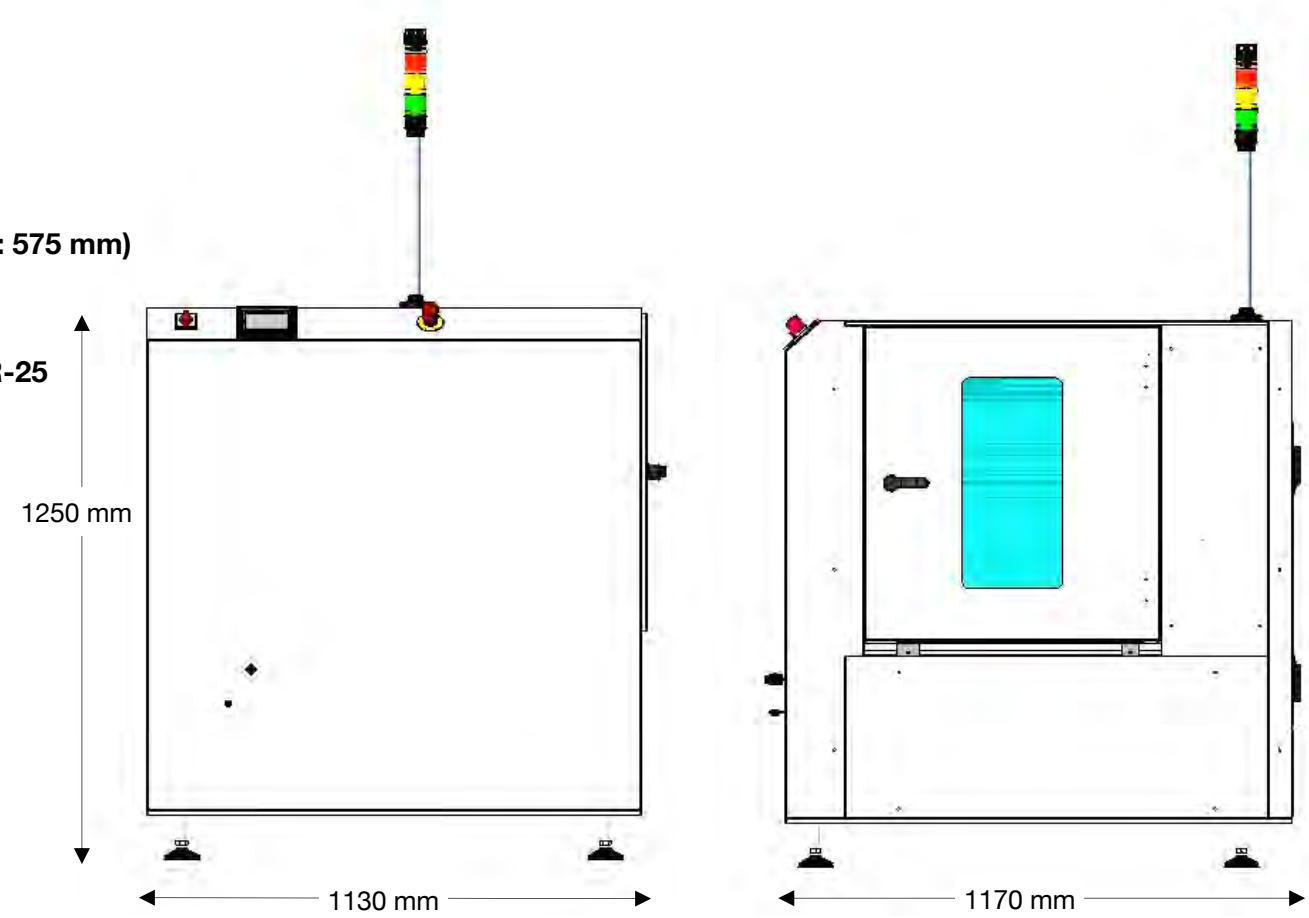
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)- only in HR-25
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min- only in HR-25
- Electric Width Adjustment (EWA) only in HR-25
- Weight 150 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed- only in HR-25
- Automatic Width Adjustment (AWA)- only in HR-25



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FIFO 30 PCB buffer FX-HF00



FIFO 30 PCB buffer

Inline PCBs buffering with FIFO function

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- In –Out Safety Sutter
- Standard length 500

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

FIFO 30 PCB buffer FX-HF00

Technical Features

- Capacity 30 PCBs
- Pitch between stored PCBs 24 mm
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

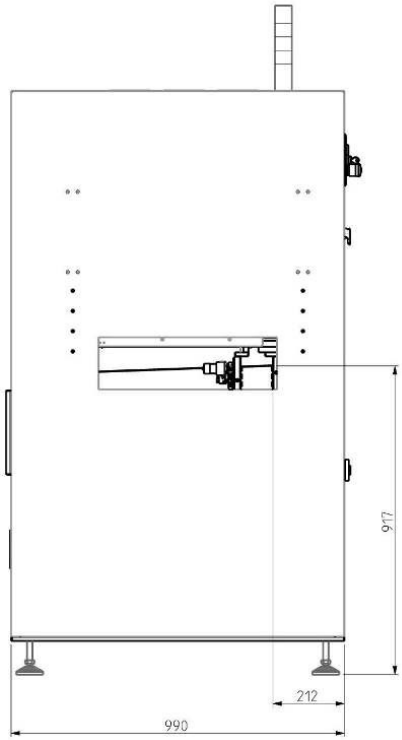
PCBs specification

- Max/Min PCB width 500 mm/100 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- *6 or 18 m/min conveyor speed*
- *Automatic Width Adjustment (AWA)*
- *Cooling fans + programmable cooling time*
- *“Almost full” function*
- *Line length 1.000 mm*





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FIFO rack FX-HF25



FIFO rack

Inline buffer storing PCB in a standard rack with FIFO function

- L to R flow direction
- Pass through function
- Line Loader function
- Line Unloader function
- User interface by touch screen
- Outfeed safety shutter

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

FIFO rack FX-HF25

Technical Features

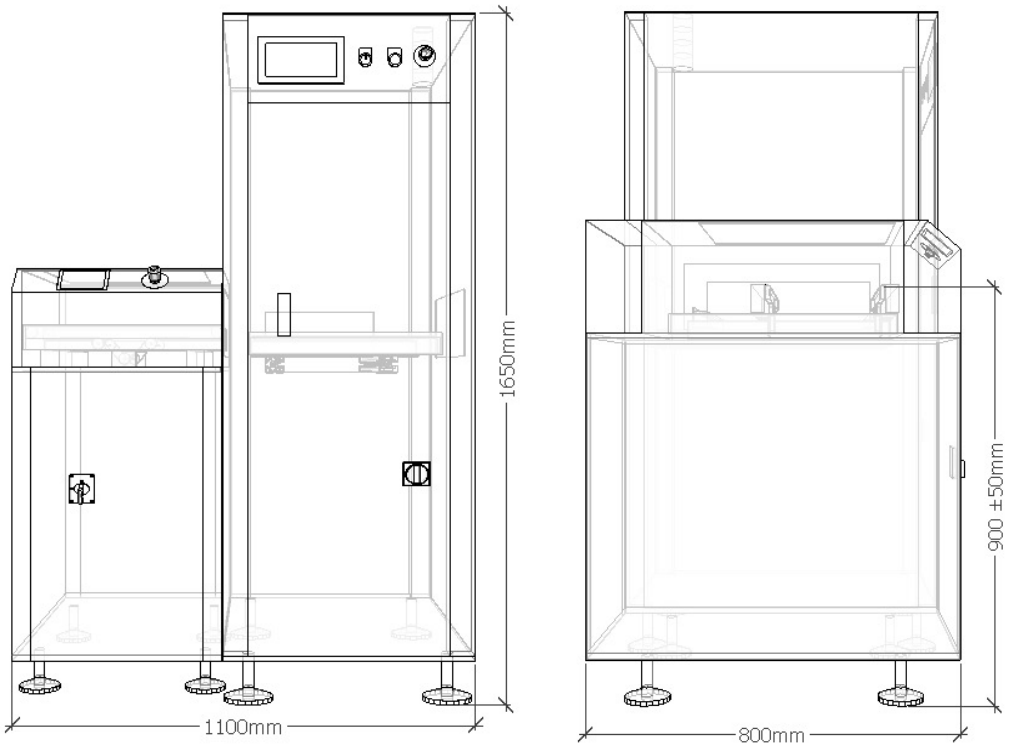
- In – Out SME MA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 350 kg

PCB & Rack specification

- Max/Min PCB width 500 mm / 60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L535mm W530mm H575mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- 8 mm carrying edge



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Single rack handler Bad & Good FX-HR50

BOARD HANDLING



Single rack handler Bad & Good

In Line unloader to rack modules with separation of passed boards (pass-through) from failed ones (stored in the rack)

- L to R flow direction
- User interface by touch screen
- Programmable magazine loading pitch

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INDUSTRIAL PROCESSING SOLUTIONS

Single rack handler Bad & Good FX-HR50

Technical Features

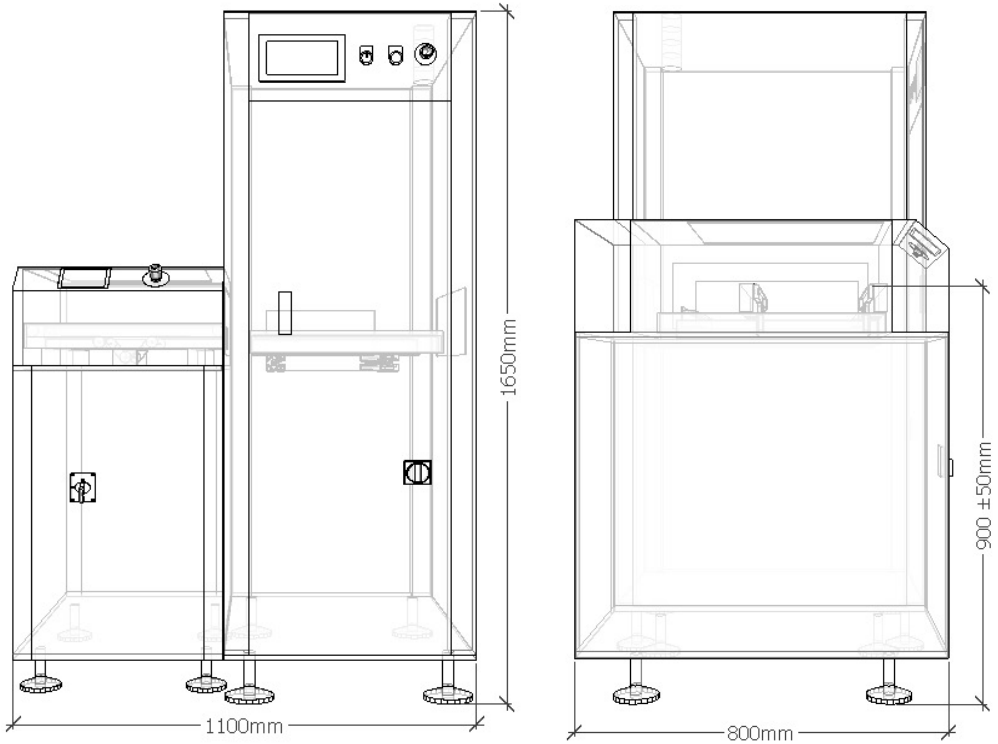
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 350 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)



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PCB Inverter FX-HI00



PCB Inverter

Inline PCB capsize unit (flips board 180°)

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Safety cover with safety sensors

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

PCB Inverter FX-HI00

Technical Features

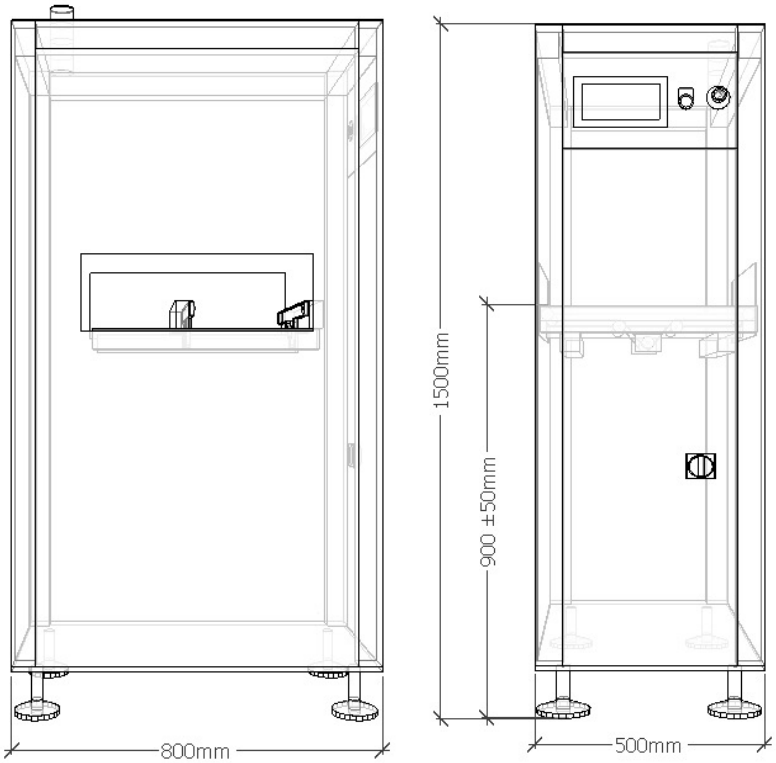
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 11A
- Std conveyor Speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

PCBS specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457mm
- Max PCB weight 2 Kg

Options

- 6 or 12 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- 8 mm carrying edge



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Line gate FX-HS00



Line gate

PCB Conveyor with 1m telescopic bridge retraction for creating passageways through a production line

- R to L or L to R flow direction
- User interface by touch screen
- Programmable gate stroke



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INDUSTRIAL PROCESSING SOLUTIONS

Line gate FX-HS00

Technical Features

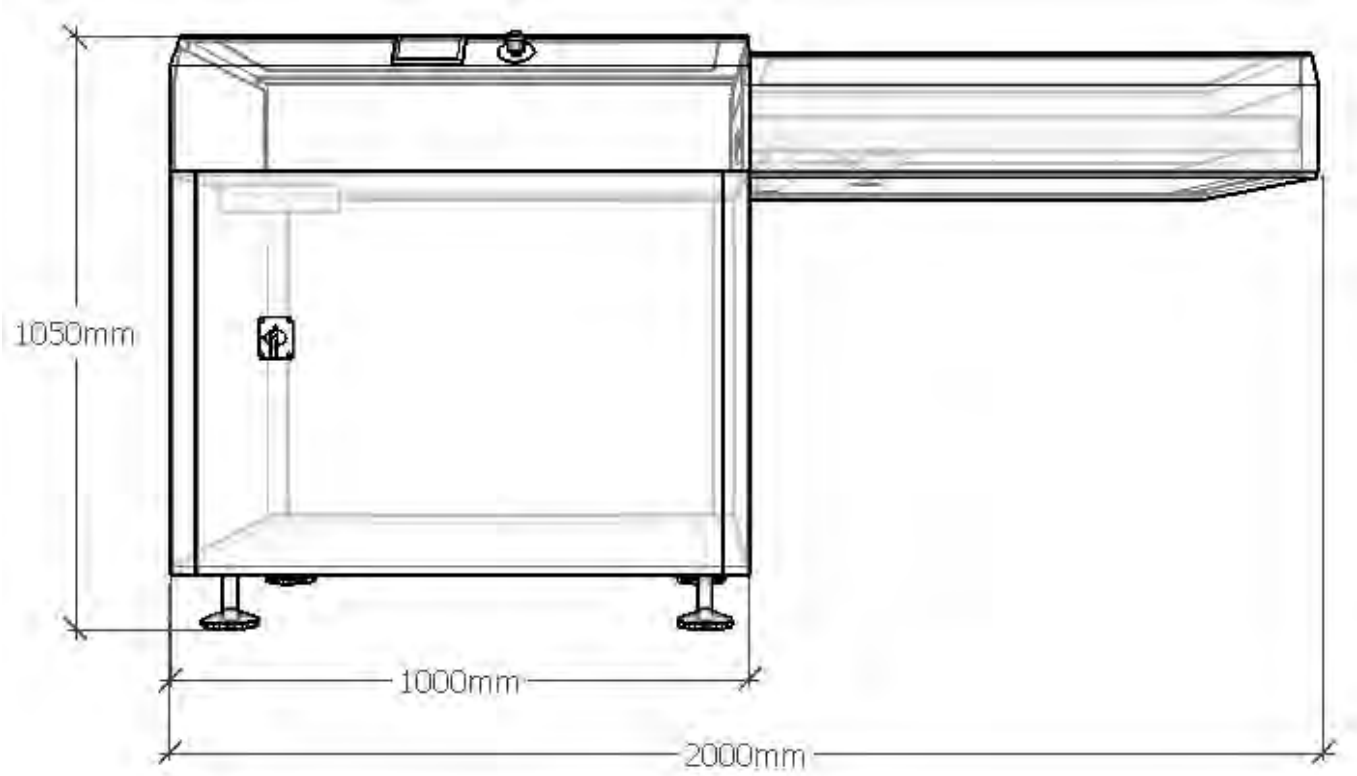
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 250 kg

PCB & rack specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg
- Max rack dimensions
  (L: 535 mm W: 530 mm H: 575 mm)

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)



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PCB Turn module FX-HT00



PCB Turn module

In Line PCBs Turn Unit

- L Function
- T Function
- X Function
- Separation of good boards from failed ones

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INDUSTRIAL PROCESSING SOLUTIONS

PCB Turn module FX-HT00

Technical Features

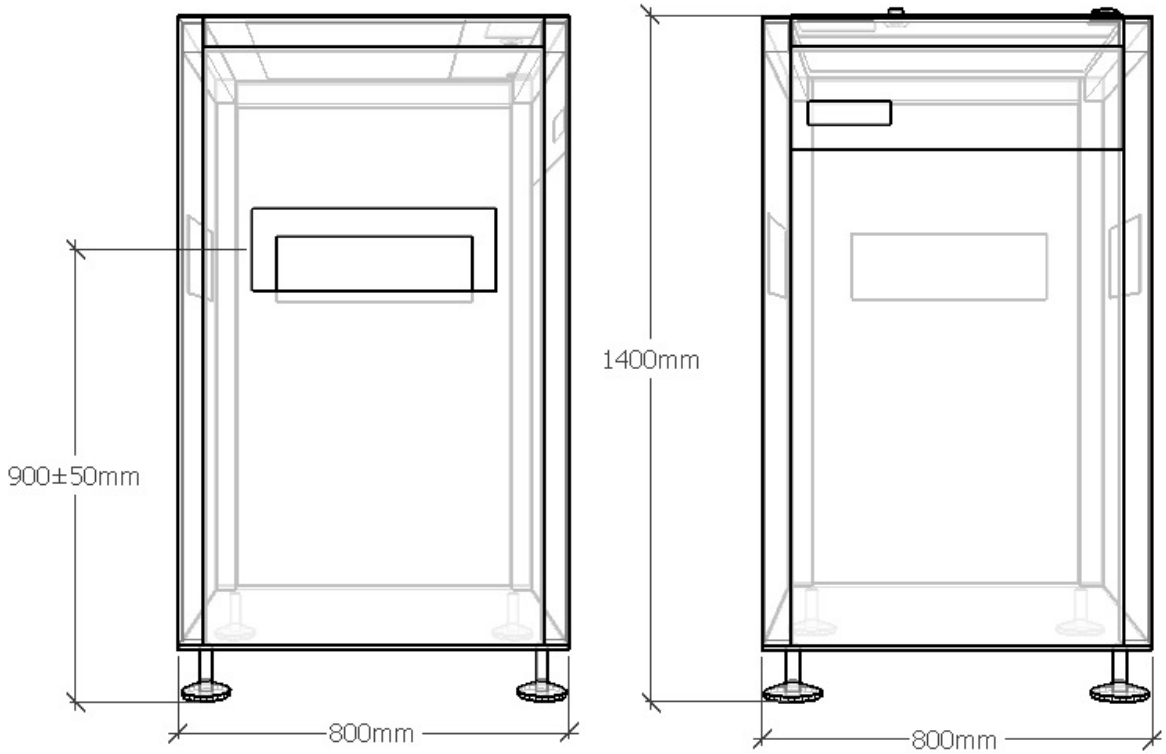
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

PCB specification

- Max/min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- Pusher mechanism for rack loader



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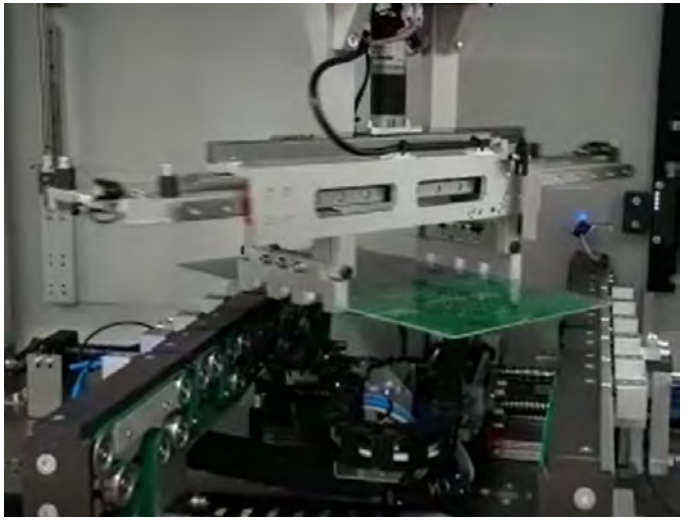
PCB Rotator FX-HT25



PCB Rotator

In Line PCB Rotator allows to swap the carrying edge of the board

- R to L or L to R flow direction
- User interface by touch screen
- Safety cover with safety sensors



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INDUSTRIAL PROCESSING SOLUTIONS

PCB Rotator FX-HT25

Technical Features

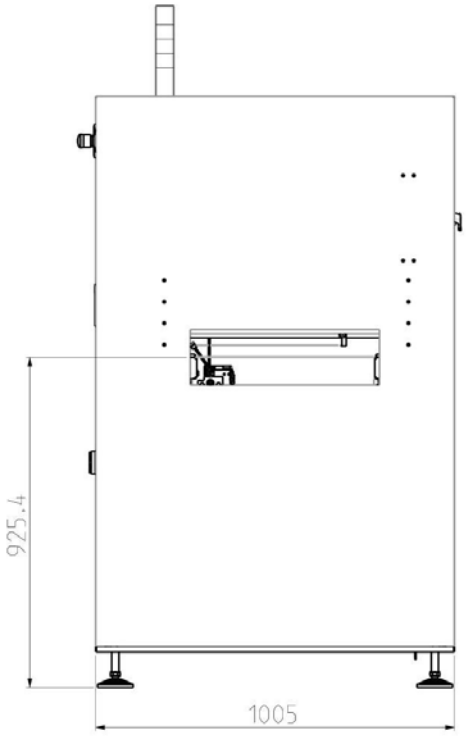
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (std carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

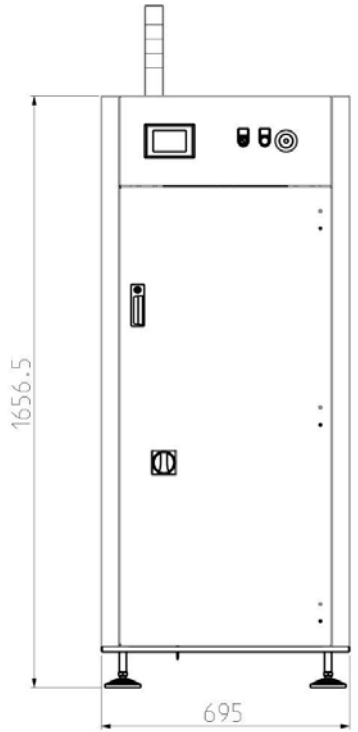
PCB specification

- Max/min PCB width 500 mm/60 mm
- Max PCB length 457 mm
- Max PCB weight 2 Kg

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)





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Operator Station FX-HW00

BOARD HANDLING



Operator Station

Unloads PCBs from a production line for loading into a rack

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Standard length 1000, 1500 mm
- Standard motorized segment 500 mm

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Operator Station FX-HW00

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

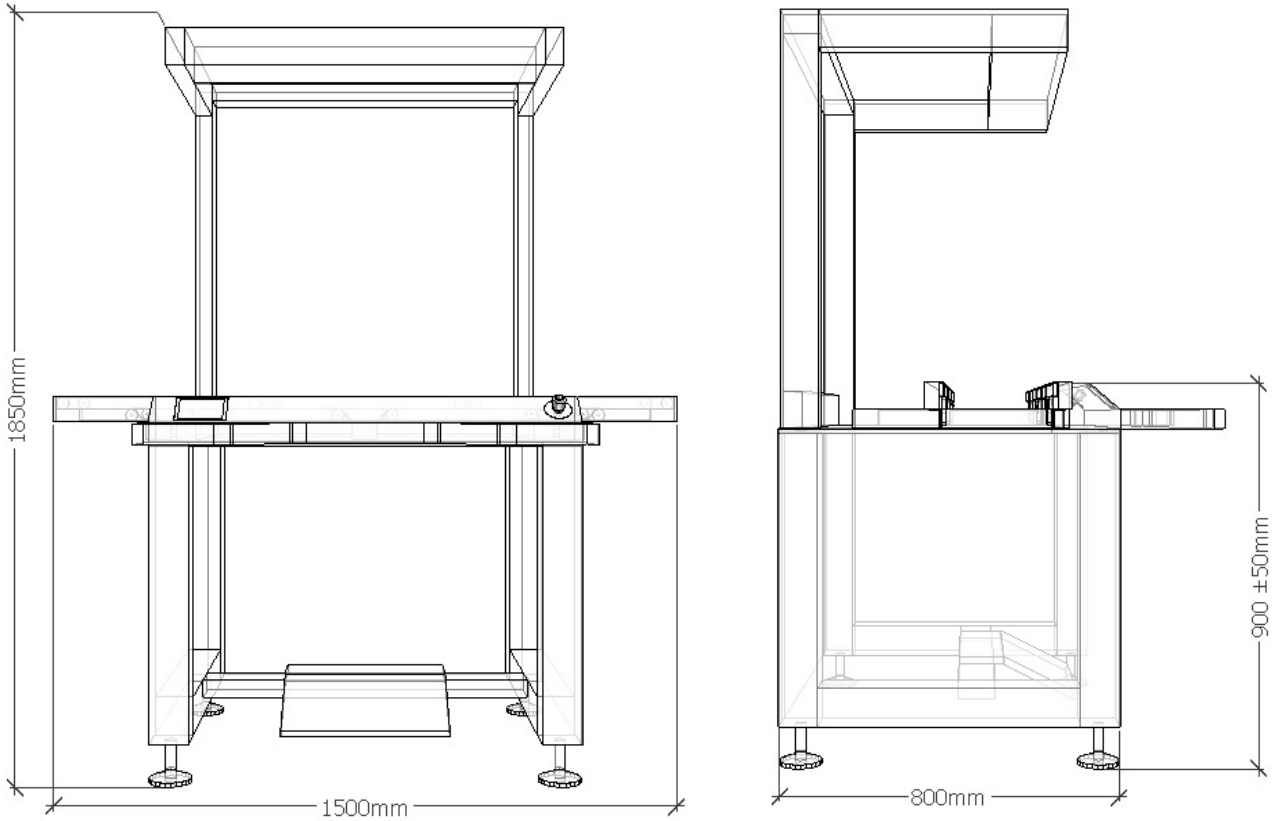
PCB specification

- Max/min PCB width 500 mm/60 mm
- Max PCB length 457mm
- Max PCB weight 2 Kg

Options

- Fail interceptor
- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- 8 mm carrying edge

Standard Modules		
L	1.000 mm	1.500 mm
W	800 mm	800 mm
Special Length Upon Request		



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Operator Station FX-HW75 Basic line

BOARD HANDLING



Operator Station

Unloads PCBs from a production line for loading into a rack

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Standard length 1.000, 1.500 mm
- Standard motorized segment 500 mm

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

Operator Station FX-HW75 Basic Line

Technical Features

- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

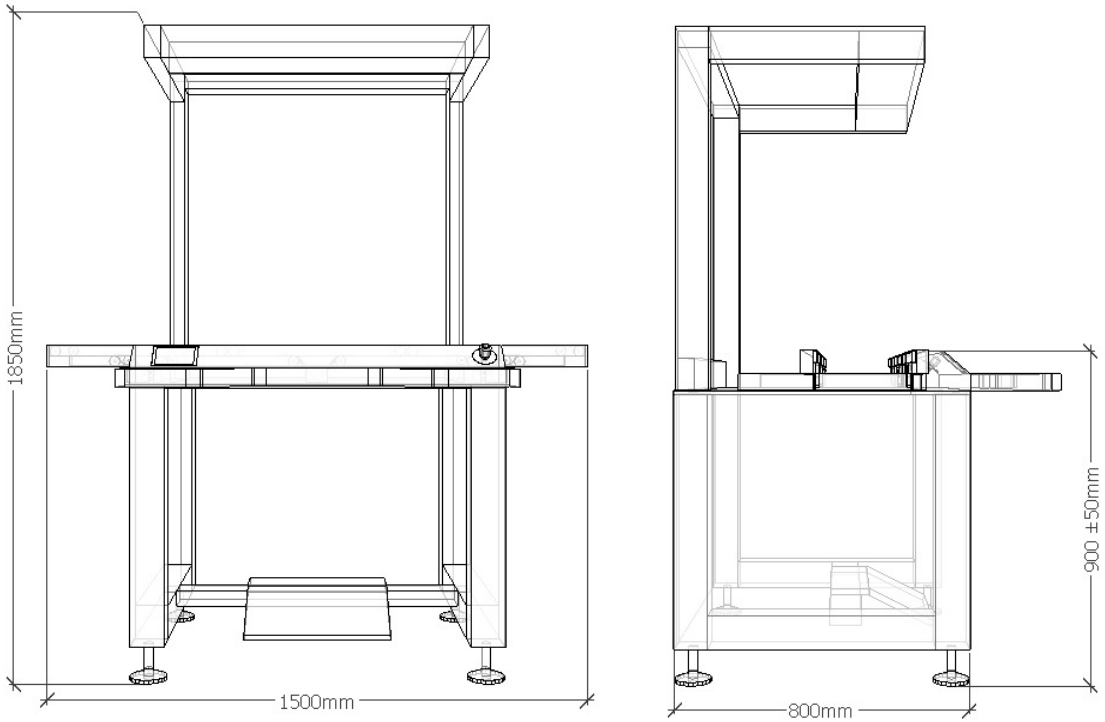
PCB specification

- Max/min PCB width 500 mm/60 mm
- Max PCB length 457mm
- Max PCB weight 2 Kg

Options

- Fail interceptor
- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- 8 mm carrying edge

Standard Modules		
L	1.000 mm	1.500 mm
W	800 mm	800 mm
Special Length Upon Request		



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PCB & Pallet lifter FX-HG00

BOARD HANDLING



PCB & Pallet lifter

Elevator for raising and lowering PCBs & pallets according to line requirements

- R to L or L to R flow direction
- Pass through function
- User interface by touch screen
- Standard length 500
- Suitable for both PCBs and pallets

FENIX AUTOMATION
INDUSTRIAL PROCESSING SOLUTIONS

PCB & Pallet lifter FX-HG00

Technical Features

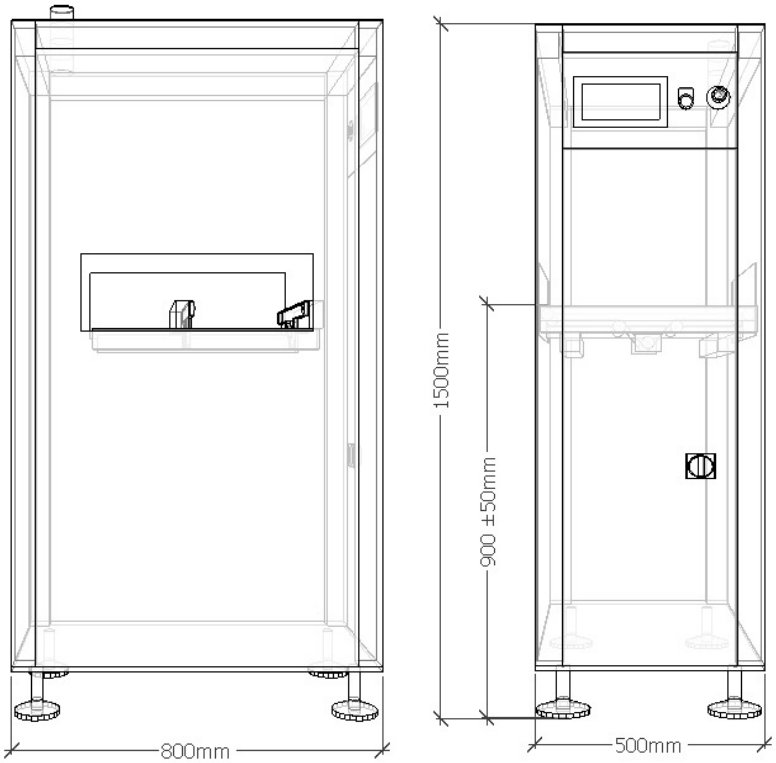
- In – Out SMEMA Interface
- ESD Safety Design
- CE Compliance
- Flat Belt (carrying edge 3 mm)
- Std. pneumatic movement
- Std. stroke from 240 to 950 mm
- Power Supply - 230Vac 50/Hz 1A
- Std conveyor Speed 12 m/min
- Electric Width Adjustment (EWA)
- Weight 150 kg

PCB & Pallet specification

- Max/Min PCB width 500 mm/60 mm
- Max PCB length 457mm
- Max PCB weight 2 Kg

Options

- 6 or 18 m/min conveyor speed
- Automatic Width Adjustment (AWA)
- Programmable Stroke
- Line length 600 or 750 mm
- 8 mm carrying edge



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