

MyAutomation

EasyLine®

EasyLine Series represents the best solution available today on the market from the price/performance ratio point of view. EasyLine perfectly adapts to all production needs of every small-medium companies, because every kind of modules, that is necessary for building medium-complexity production lines, is included in its wide range of products.

EasyLine technical specifications allow the user to run almost every PCB up to large-medium board dimensions.

Various standard modules are part of EasyLine Series, but also many different options and accessories are available on request.

The functional design and the plug-and play technology guarantee high yields and make the systems very easy to use.

A multi-language LCD display allows a very simple and intuitive employment of the modules.

EasyLine systems can adapt to any kind of rack in the market and also to non-standard specifications.

The production is fully "Made in Italy" to guarantee high quality levels and short delivery times.



MYA-1-LB Buffer LIFO



Used for automatic buffering or transfer of up to 50 printed circuit boards. Uses almost any kind of commercial rack. Uses LIFO logic. Can also operate as extended loader or unloader using the same rack.

Technical features

- Electric pusher for PCBs insertion into rack
- Electropneumatic pusher for PCBs insertion in line
- Racks capacity: N.1 rack on the lifter
- Max dimensions of the rack: 460 x 440 x 575 mm
- Programmable pitch from 10 to 90 mm
- N.1 24V DC driven section, fixed speed
- Transport: ESD flat belt
- Manual width adjustment system
- LCD display for functions and alarms
- Start and reset push button
- Direction of flow: left to right
- Pneumatic supply: 0,6 MPa dry and clean air
- Interface: standard SMEMA
- Max module length: 1100 mm
- Free programmable place/replace rack position
- Standard LIFO operation
- Min. PCB width 90 mm

Options

- Adapters for different magazine types / dimensions
- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- 24V DC motor variable speed
- Any SMEMA cable length
- FIFO operation (MYA - 1 - FLB)

MYA-1-C1 Conveyor - 1 driven section



Used for automatic transferring of a printed circuit board along a production line.

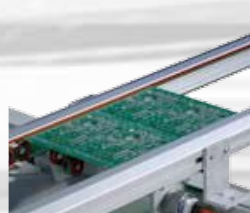
Technical features

- Transport: ESD flat belt
- N.1 24V DC driven section, fixed speed
- Equipped with photoelectric sensor
- Manual width adjustment system
- Direction of flow: left to right
- Interface: standard SMEMA
- Module length: 600 mm (standard)

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Module length 1000 mm
- 24V DC motor variable speed
- Any SMEMA cable length

MYA-1-IC1 Inspection Conveyor 1 driven section



Used for automatic transferring of a printed circuit board along a production line with stop and release function for inspecting the board under transfer.

Technical features

- Selector: inspection / passthrough
- Push-button for PCB releasing
- Transport: ESD flat belt
- N.1 24V DC driven section, fixed speed
- Equipped with photoelectric sensor
- Manual width adjustment system
- Direction of flow: left to right
- Interface: standard SMEMA
- Module length: 600 mm

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Module length 1000 mm
- 24V DC motor variable speed
- Any SMEMA cable length

MYA-1-IIC1 / 1-OIC1 Infeed/Outfeed Inspection Conveyor 1 driven section



Used for automatic infeed and outfeed of ovens with stop and release function for inspecting the board under transfer.

Technical features

- Selector: inspection / passthrough
- Push-button for PCB releasing
- Transport: ESD flat belt
- N.1 24V DC driven section, 2 speed: 1 fixed, 1 variable
- Equipped with photoelectric sensor
- Manual width adjustment system
- Direction of flow: left to right
- Interface: standard SMEMA
- Module length: 600 mm

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Module length 1000 mm
- 24V DC motor PCB in with variable speed
- Any SMEMA cable length

MYA-1-BBL Bare Board Loader (Destacker)



Used for automatic loading of stacked bare boards for an automatic line, like a screen printer.

Technical features

- PCBs stacker with stainless steel side walls
- Maximum stack height: 200 mm, max 15 kg
- Transport: ESD flat belt
- Max board thickness 2.7 mm
- N.1 24V DC driven section, fixed speed
- Pneumatic finger as PCB destacker system
- Manual width adjusting system
- LCD display for functions and alarms
- Direction of flow: left to right
- Interface: standard SMEMA
- Module length: 600 mm
- Pass Through function

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- 24V DC motor variable speed
- Any SMEMA cable length
- Max board thickness 4.0 mm

MYA-1-BBU Bare Board Unloader



Used for automatic stacking of bare boards on an pile for automatic line, like a laser marking.

Technical features

- PCBs stacker with stainless steel side walls
- Maximum stack height: 200 mm, max 15 kg
- Transport: ESD flat belt
- N.1 24V DC driven section, fixed speed
- Pneumatic lifter
- Manual width adjusting system
- LCD display for functions and alarms
- Direction of flow: left to right
- Interface: standard SMEMA
- Module length: 600 mm
- Pass Through function

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- 24V DC motor variable speed
- Any SMEMA cable length

MYA-1-LSR Loader single rack



Used for automatic loading of printed boards into an automatic line, like a screen printer, a pick & place system, a reflow oven, an automated test system. It uses almost any kind of commercial rack.

Technical features

- Electric pusher
- Racks capacity: N.1 rack on the lifter
- Max dimensions of the rack: 460 x 440 x 575 mm
- Programmable pitch from 10 to 90 mm
- Manual width adjusting system.
- LCD display for functions and alarms
- Interface: standard SMEMA
- Start and reset push button
- Direction of flow: left to right
- Max module length: 1100 mm
- Free programmable place/replace rack position

Options

- Adapters for different magazine types / dimensions
- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Any SMEMA cable length

MYA-1-LUSR Loader/unloader single rack

Used for automatic loading of a PCB from any position of a rack to the line and automatic unloading of the same PCB into the same slot of the rack. Suitable for screen printers and automated test equipment.



Technical features

- Electric pusher for PCBs insertion into rack
- Electric pusher for PCBs insertion in line
- Racks capacity: N.1 rack on the lifter
- Max dimensions of the rack: 460 x 440 x 575 mm
- Programmable pitch from 10 to 90 mm.
- N.1 24V DC driven section, fixed speed
- Transport: ESD flat belt
- Manual width adjustment system
- Start and reset push button
- LCD display for functions and alarms
- Direction of flow: left to right
- Interface: standard SMEMA
- Max module length: 1700 mm
- Free programmable place/replace rack position

Options

- Adapters for different magazine types / dimensions
- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- 24V DC motor variable speed
- Any SMEMA cable length
- Loader function
- Unloader function

MYA-1-USR Unloader single rack



Used for automatic unloading of printed board from an automatic line, like a screen printer, a pick & place system, a reflow oven, an automated test system. It uses almost any kind of commercial rack.

Technical features

- Electric pusher
- Racks capacity: N.1 rack on the lifter
- Max dimensions of the rack: 460 x 440 x 575 mm
- Programmable pitch from 10 to 90 mm
- N.1 24V DC driven section, fixed speed
- Transport: ESD flat belt
- Manual width adjustment system
- LCD display for functions and alarms
- Start and reset push button
- Direction of flow: left to right
- Interface: standard SMEMA
- Max module length: 1100 mm
- Free programmable place/replace rack position

Options

- Adapters for different magazine types / dimensions
- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- 24V DC motor variable speed
- Any SMEMA cable length

Main Features

Common features

Power supply: 230V 50Hz 1+N+G
Frame: welded, 2 mm thick steel sheet
Frame color: RAL7035, powder coated

Transport

Height: 950 mm +/-30 mm
PCB edge space: minimum 5 mm
Transfer direction: left to right
Operating side: front of the machine
Fixed Rail: Front of the machine
Interface: std or extd SMEMA;
optional: Fuji, Panasonic, Sanyo,
Siemens, SMPI
Standard SMEMA cable length: 3 mt

Panel dimension:

Length: Min. 90 mm - Max 460 mm
Width: Min 60 mm* - Max 360 mm
Thickness: from 0.8 mm to 4.0 mm**
Component clearance: Top: 50 mm,
Bottom: 20 mm
Max weight: 2 kg

CE safety compliant

Microprocessor driven system

Mechanical keyboard or LCD display with keyboard operation

Automatic control of limit reached

Single piece aluminium rails, proprietary design

* 90 mm for MYA-1-LB

** 2,7 mm for MYA-1-BBL.

The Company



MyAutomation was founded to fulfil Customers needs of handling systems for the electronic production.

The Company can supply every kind of automation systems to complete production lines, from the easiest to the most elaborate ones.

Thanks to its engineering department, which uses the most advanced tools for development and 3D design, **My Automation** can offer high quality standards, fast conceiving times and a wide customisation of the modules.

The internal production department assures the possibility to put on trial every single machine in its entire working cycle; systems development and later upgrades can be also available.

An experience of more than ten years gives **MyAutomation** team the necessary know-how to find always the most efficient solution and to solve any production issue.

MyAutomation manufactures loaders, unloaders, conveyors, buffers, shuttles, and has a wide range of standard handling systems as well as an infinite number of other customized solutions.

MYAUTOMATION

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