

MyAutomation

MyLine®

MyLine®, thanks to its high flexibility, guarantees optimal performances and it is able to fulfill every handling need. The complete range of MyLine® systems represents an affordable solution for any kind of production line. SMD lines are configured to be a perfect mix between great performances and high flexibility.

Every layout, from a basic to the most elaborate one, can be achieved.

The specific software, that has been developed to reduce set-up time and to avoid every interface problem, is an added value for this line.

MyLine® modules feature a wide LCD display offering an ergonomic interface for the operator, the possibility of Ethernet connection and remote control.

MyLine® modules are ready for Traceability software and fool-proof programs; barcode readers are available on demand.

Every MyAutomation system is able to handle any kind of PCB, including those which are out of the general specifications.

Non-SMEMA interface and specific software development can be provided on demand.

High quality parts from worldwide suppliers are used to build

MyLine® range of systems has been engineered to reduce

MyLine®, thanks to its wide customisation, represents the top

strong and reliable handling modules.

maintenance and consumption of parts.

solution for every production need.



Buffers



Used for automatic buffering or transferring of circuit boards within a production line. They can use FIFO or LIFO logic. Bad and good separation, other special functions available.

Main features

- Transport: ESD flat/round belts
- N. 1/2 driven sections, 24V DC motors, fixed speed
- Manual width adjustment or by handwheel
- Direction of flow: left to right
- Interface: standard SMEMA and extended SMEMA
- Up to 60 boards
- Painted RAL 7035 covers
- Different module lengths (100mm multiple)

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Any SMEMA cable length
- Motorized width adjusting system
- Automatic width adjusting system with LCD display
- Width adjusting by handwheel
- Anodized aluminium covers
- 24V DC motor variable speed

Conveyors



Used for automatic transferring of printed circuit boards along a production line. They can have stop- and release functions for inspecting the board under transfer. 1, 2, 3 or 4 driven sections

and adjustable speed available. Telescopic and gate conveyors.

Main features

- Transport: ESD flat belts
- N. 1, 2, 3 or 4 driven sections, 24V DC motors, fixed speed
- Equipped with photoelectric-sensor
- Manual width adjustment
- Selector: inspection/ passthrough
- Push-button for PCB releasing
- Direction of flow: left to right
- Interface: standard SMEMA
- Different module lengths (100 mm multiple)
- Painted RAL 7035 covers

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Any SMEMA cable length
- Motorized width adjusting system
- Automatic width adjusting system with LCD display
- Width adjusting by handwheel
- Anodized aluminium covers
- 24V DC motor variable speed

Loaders/Unloaders



Used for automatic loading / unloading of printed circuit boards into an automatic line, or into a screen printer, a P&P, a reflow oven, an automated test system. Bare boards loader and unloader

Single or multi-rack (from 1 to 12 racks). They use almost any kind of commercial rack.

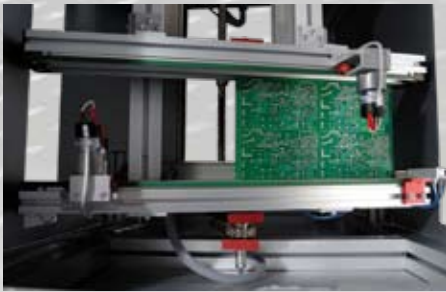
Main features

- Maximum stack height: 200 mm, max 15 kg
- Transport: ESD flat belt
- N. 1 24V DC driven section, fixed speed
- Manual width adjusting system
- LCD display for functions and alarms
- Direction of flow: left to right
- Interface: standard SMEMA
- Pass-Through function
- Racks capacity: N.1 rack on the lifter; N. 1 - 12 racks on the upper and lower conveyor
- Racks transport: chain, fixed width, 400V AC motor, fixed speed
- Max dimensions of the rack: 550 x 500 x 585 mm
- Electric pusher for PCBs insertion into rack
- Pneumatic pusher for PCBs insertion in line
- Programmable pitch control from 10 to 80 mm
- Time-out function on pushers
- Tower light display
- Painted RAL 7035 covers
- Module length: variable according to racks capacity and type

Options

- Adaptable for different magazine types/dimensions
- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Any SMEMA cable length
- Motorized width adjusting system
- Automatic width adjusting system with LCD display
- Width adjusting by handwheel
- Anodized aluminium covers
- Any nr of racks in the queue, also exceeding 12

Traffic controllers



Used to automatically rotate upside-down, shift to a parallel line, rotate 90° or 180° circuit boards along a production line. Every type of PCB movement available, also combined ones.

Main features

- Transport: ESD flat belt
- 24V DC motors, fixed speed
- Pneumatic rotation mechanism
- Pneumatic transversal stroke
- Pneumatic rotation movement 0°-90° or translation movement (180°)
- Manual width adjustment or by handwheel
- Equipped with photoelectric-sensor
- Tower light display
- LCD display for functions and alarms
- Direction of flow: left to right
- Interface: standard SMEMA
- Different module lengths
- Painted RAL 7035 covers

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Any SMEMA cable length
- Motorized width adjusting system
- Automatic width adjusting system with LCD display
- Width adjusting by handwheel
- Anodized aluminium covers
- 24V DC motor variable speed
- Extended SMEMA
- Pass-through function

Repair stations



Used for automatic validation / repairing of printed circuit boards after an automated test equipment. Tilt function to help the user with an ergonomic position, as option. Laser pointer to highlight defects.

Main features

- Single / Double level conveyor
- Lifter for bad/good separation
- Transport: ESD flat belt
- Different driven section, 24V DC motors, fixed speed
- Equipped with photoelectric sensors
- PCB presence
- Upper conveyor with automatic tilt function
- Pneumatic stopper for board stop
- Pass-through function
- Standard extended SMEMA interface
- Manual width adjust
- Flow direction: left to right
- Different module lengths
- Support for monitor and keyboard
- Ready for laser pointer or Microscope
- Painted RAL 7035 covers

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- I/O communication with AOI
- Any SMEMA cable length
- Motorized width adjusting system
- Automatic width adjusting system with LCD display
- Width adjusting by handwheel
- 24V DC variable speed
- Anodized aluminium covers
- Upper conveyor with tilt function

Cleaning machines



Used for automatic cleaning of printed circuit boards along a production line. It can remove dust, oxides before screen printing. Capable of separated top and bottom cleaning to avoid interference with side assembled PCBs. Inspection point or manual loading. Available in compact version.

Main features

- In-line purging of adhesive roll
- N.1 motorized cleaning roller (400mm standard)
- Antistatic system fitted after cleaning
- N.1 contrast ESD roller
- N.1 ionizer
- N.1 driven section, 24V DC motors, fixed speed
- LCD display for functions and alarms
- Equipped with photoelectric-sensor
- Manual width adjustment system
- Direction of flow: left to right
- Interface: standard SMEMA
- Active inspection / passthrough
- Painted RAL 7035 covers
- Push button for PCB releasing

Options

- Non-SMEMA interface
- Right-to-left flow direction
- Special ESD finishing
- Any SMEMA cable length
- Motorized width adjusting system
- Automatic width adjusting system with LCD display
- Width adjusting by handwheel
- Anodized aluminium covers
- Painted RAL 7035 covers
- 24 VDC variable speed

Main Features

Common features

Power supply: 230 V 50 Hz 1+N+G
or 400 V 50 Hz 3+N+G
Frame: Aluminium profile
Frame color: RAL7035, powder coated

Transport

Height: 950 mm +/- 30 mm
(820 mm +/- 30 mm on request)
PCB edge space: minimum 3mm
Transfer direction: left to right
Operating side: front of the machine
Fixed Rail: Front of the machine
Interface: std or extd SMEMA. Opt Fuji,
Panasonic, Sanyo, Siemens, SMPI.
SMEMA cable length: 3 mt

Panel dimension:

Length: Min. 80 mm - Max 510 mm
Width: Min 85 mm - Max 390 mm
Thickness: from 0.8 mm to 4.0 mm
(0.0 to 4.0 mm on request)
Component clearance:
Top: 50 mm (80 mm on request)
Bottom: 20 mm (80 on request)
Max weight: 2 kg

CE safety compliant

Microprocessor driven system PLC Omron

other PLC on request)

Mechanical keyboard or LCD display with keyboard operation

Automatic controls of limit reached

Single piece aluminium rails, proprietary design

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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