



# Company Presentation

Located in Carate Brianza (MB) ITALY  
SEICA AUTOMATION is part of SEICA Group

SEICA AUTOMATION with its independent production plant  
defines and manufactures assembly system

The whole production flow is "MADE IN ITALY", under the control of  
SEICA AUTOMATION Research & Development and Quality Assurance



**MOVE YOUR IDEAS INTO THE PROCESS**

**SOLUZIONI PER AUTOMAZIONE INDUSTRIALE**



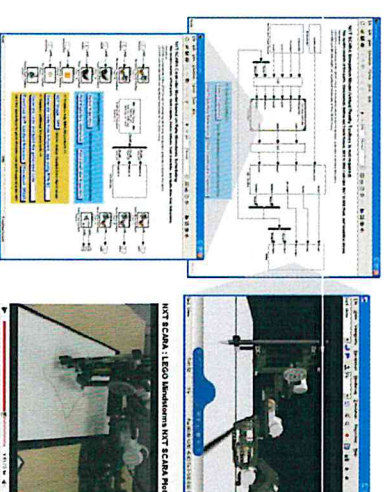


# Company Profile

An experience of more than 25 years gives to SEICA AUTOMATION the necessary know-how to find the efficient solution for customer board handling, traceability and custom automated solution, we propose to our customer the complete realization of turnkey assembly systems.

SEICA AUTOMATION product portfolio include Board Handling, traceability product, label applicators, soldering line, press fit cell, laser applications.

Industry 4.0 Projects with COBOT and/or SCARA ROBOTS solutions.





# Standard Board Handling

## Flo Line®

Has a great price/performance ratio and it is the ideal solution for standard lines with standard PCB dimensions



## Flex Line®

Guarantees optimal performances and it is able to fulfil every handling need, thanks to its high flexibility and customisation.



Our full line of equipment and option is actually fitting every demand of our customers.

We bring solution to every need at a very reasonable cost.

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

Two different lines Flo and Flex have been conceived to satisfy every production request.



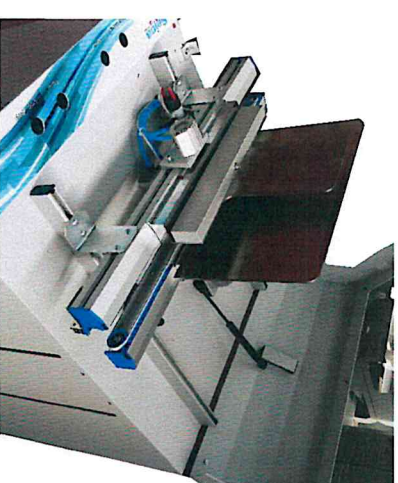
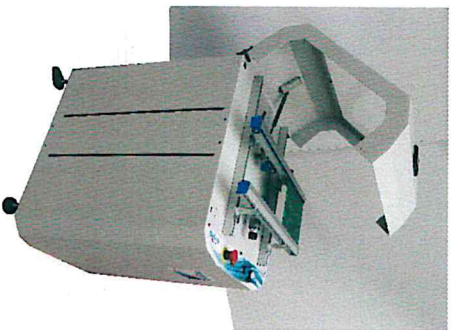
# Standard Board Handling

## BOARD HANDLING: FLO Series

Create your PCB line flow  
process with our proven,  
**flexible and reliable handling  
system**

Flo Line® has a great  
price/performance ratio and it is  
the ideal solution for SMD lines with  
standard PCB dimensions

Full compliants with Small SMT line





# Standard Board Handling

## BOARD HANDLING: FLEX SERIES

**Create your PCB line flow process with our proven, flexible and reliable handling system**

**Flex Line®** Guarantees optimal performances and it is able to fulfil every handling need, thanks to its high flexibility and customisation.  
**FLEX Series** is based on aluminum frame and it's 100% customizable.  
Starting from original module customer can add safety and/or controls.

**Seica Automation FLEX series** loader/unloaders, conveyors, buffers, shuttles, more than 32 different modules are in FLEX series product list.

**FLEX is ready for Industry 4.0 and AGV transport system.**



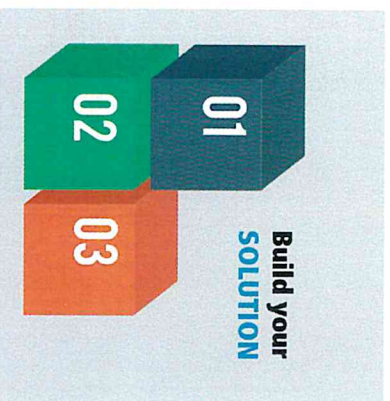


# Standard Board Handling

## BOARD HANDLING: FLEX SERIES

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# Modulo Label Applicator

- The system can print and apply labels on a PCB or components.
- Recipe for program positions and text for labels.
- Cartesian robot will take the label and put on PCB.
- Camera system for Label position and Quality Grading.
- Multiple allocation with 2 different label size.
- Touch Screen PC Front Side.
- Easy Access for feeding and maintenance.



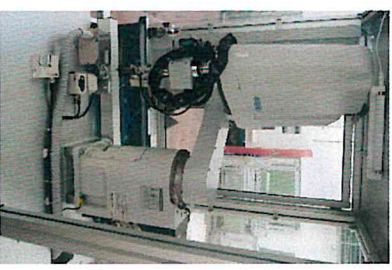
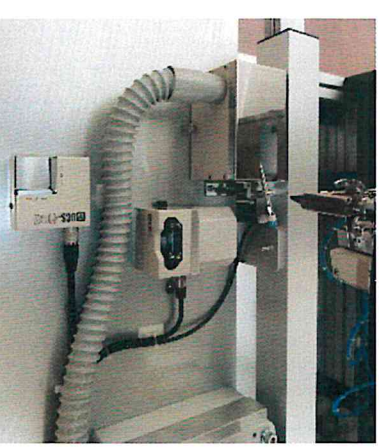
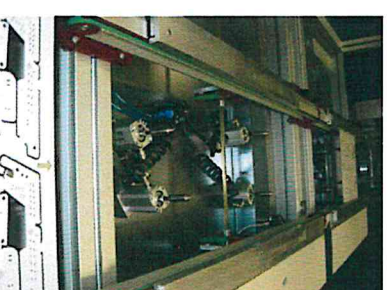
- READY for Industry 4.0
- DIFFERENT TYPE of PRINTERS CAB-BRADY-ZEBRA
- Compatible with VALOR, ITAC, AEGIS and more
- Applicable for 2D matrix, Code 39, Code 128





# Modulo Hot Iron Soldering

- Soldering routines are programmed with the help of the teaching pendant or by JPUX developed software and stored on the Unix controller.
- The controller can store up to 495 programs that can include up to 21,000 steps.
- The system can be programmed to solder, point, arc or line.
- Automatic tip correction X/Y/Z,
- Cleaning station air and brush cleaning of the soldering tip.
- 10" intuitive touch panel interface
- Additional functions that can be managed via the user interface are:
  - conveyor width adjustment
  - board clamp and support
  - program selection, access and reset error conditions
  - fault diagnostics

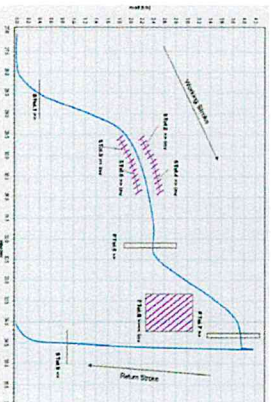




# Modulo Press Fit

Repeatable, can be optimized for your application

- Intelligent compensation
  - due to calculation of individual tolerances of the parts
  - of system elasticities (dynamic bending compensation)
- Free positioning with changing process forces
  - without fixed tool stop
  - positioning in 1/100 mm range
- Real time evaluation
  - true close-loop control
  - direct reaction to process and quality data
  - no delay caused by low process data transfer
  - immediate availability of SPC data
- Precise and robust mechanical construction
- System is immediately ready for operation
  - standard travel profiles only require the entry of position and speed
  - system automatically parameterizes itself





# Industry 4.0 Automated Solution - AGV

An automated guided vehicle or automatic guided vehicle (AGV) is a portable robot that follows along marked long lines or wires on the floor, or uses radio waves, vision cameras, magnets, or lasers for navigation. Seica Automation actually works with the most popular AGV on the market

## What are the advantages of Automated Guided Vehicles Systems?

The 11 main advantages are:

1. Direct Labor cost reduction
2. Avoid workforce shortages
3. Avoid mistakes
4. Improve traceability and inventory accuracy
5. Layout Freedom
6. Modularity or Scalability
7. Increased safety
8. Improved ergonomics
9. Minimize infection risk
10. Indirect cost reduction
11. Increase productivity



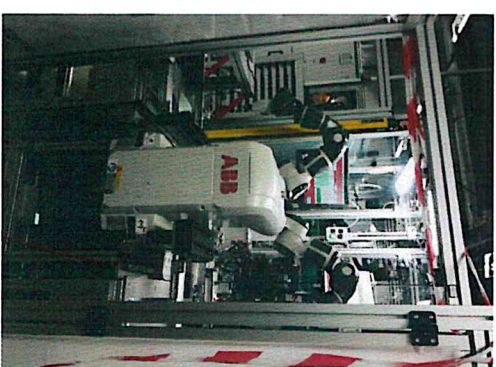
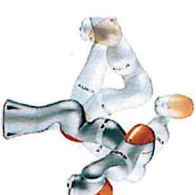


# Industry 4.0 Automated Solution COLLABORATIVE SCARA ROBOT

Seica automation based on technical requirement can implement different type of robot solution.

Base on his experience help industrial production teams to select the most suitable solution for his own plant and/or process.

OMRON-KUKA-ABB-Universal Robot-DENSO are included in seica portfolio.

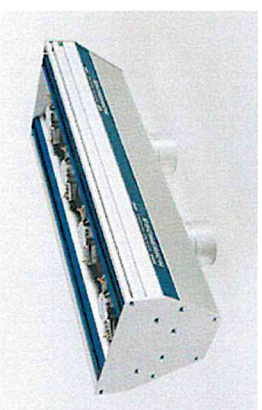




# Contactless Cleaning Station

**Non-Contact Surface-Cleaning -The non-contact surface cleaning system TAIFUN-CLEAN removes impurities from three-dimensional as well as structured surfaces. By generating a pulsating and high turbulent air stream excellent cleaning results are archived.**

- Non-contact cleaning with pulsed compressed air by rotating nozzles
- Integrated suction channel
- Two ionizing bars to eliminate electrostatic surface charges
- Simple mounting on machines and plants
- Air baffles for optimization of suction air stream available
- Working widths 100 – 2000 mm (customized lengths possible)
- Version for hazardous area

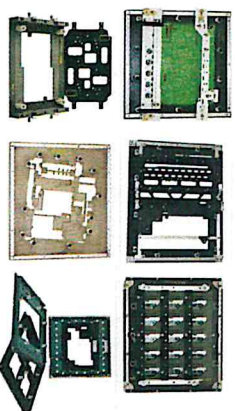
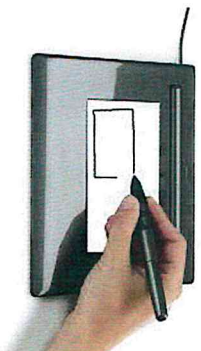
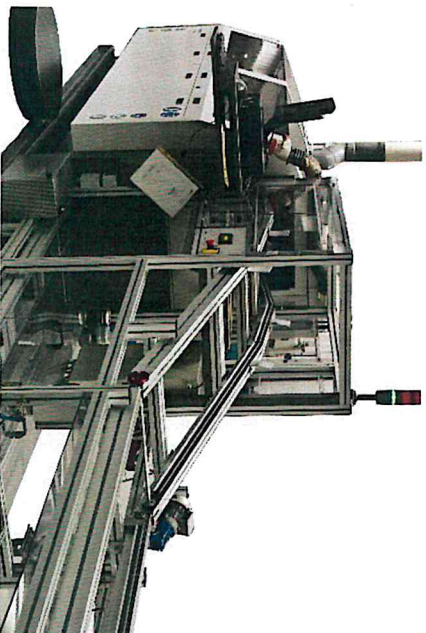




# Wave and Selective Soldering Line

We can supplies soldering carrier lines with customized configurations, which can be adapted to all wave and selective soldering machine in the market.

Seica Automation lab bench is the ideal solution for a modern, state-of-the-art laboratory. Lab benches provide the lab user with the highest quality and most flexible lab system, adapting to the demanding needs and changing equipment in the lab of today and tomorrow. They are robust and extremely flexible; easily adapting to individual needs, new equipment, and changes in environment or work.

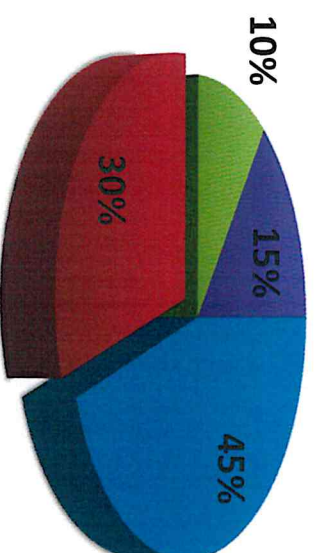
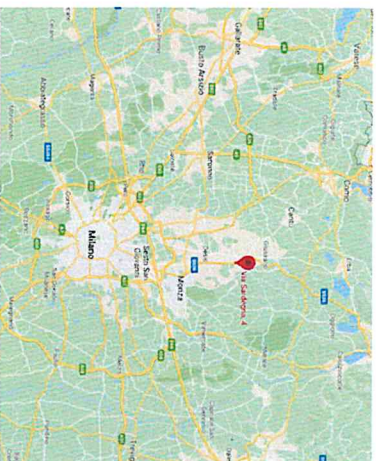


## Simply Efficient

With a wide range of soldering line, selective and wave solution. Compatible with all best brand of soldering machine on market. U Turn, Elevators, Escalators, Pallet separators, Work bench. We make your process efficient and profitable.



# Company Profile - Employees



Total N°37 Employees

■ PRODUCTION

■ ENGINEERING

■ SALES

■ ADMINISTRATION

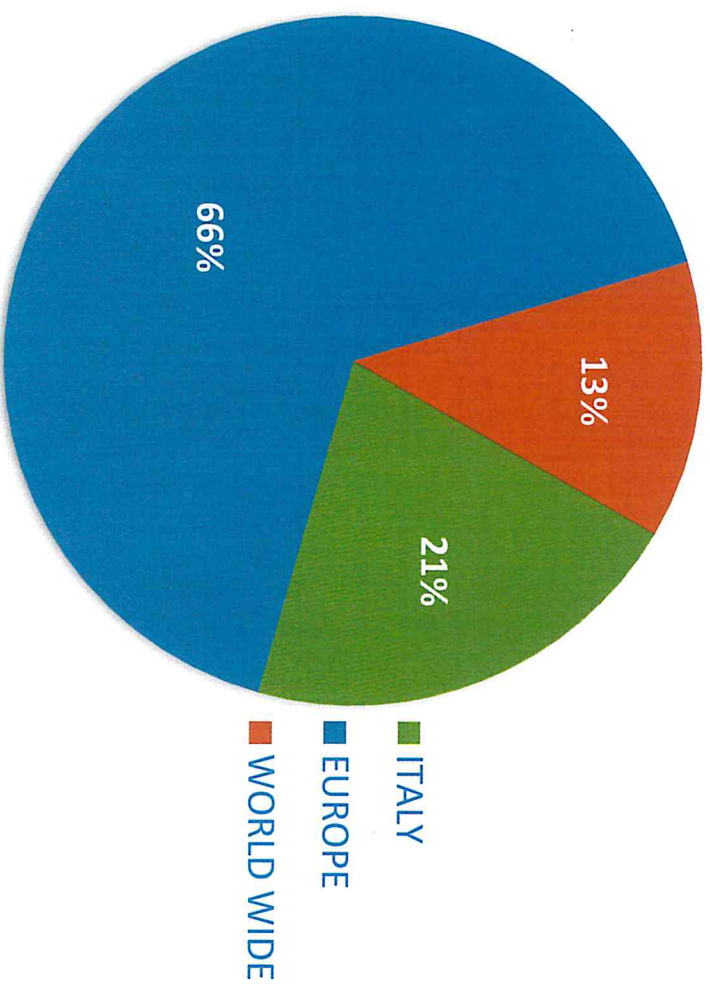
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Automation

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# Reference Market - Sales Distribution







## Main Customers







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# Thanks for your time



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