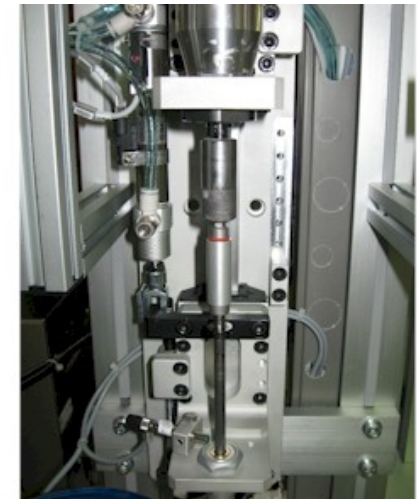


Presentation of MyAutomation's Trimming System



Special applications

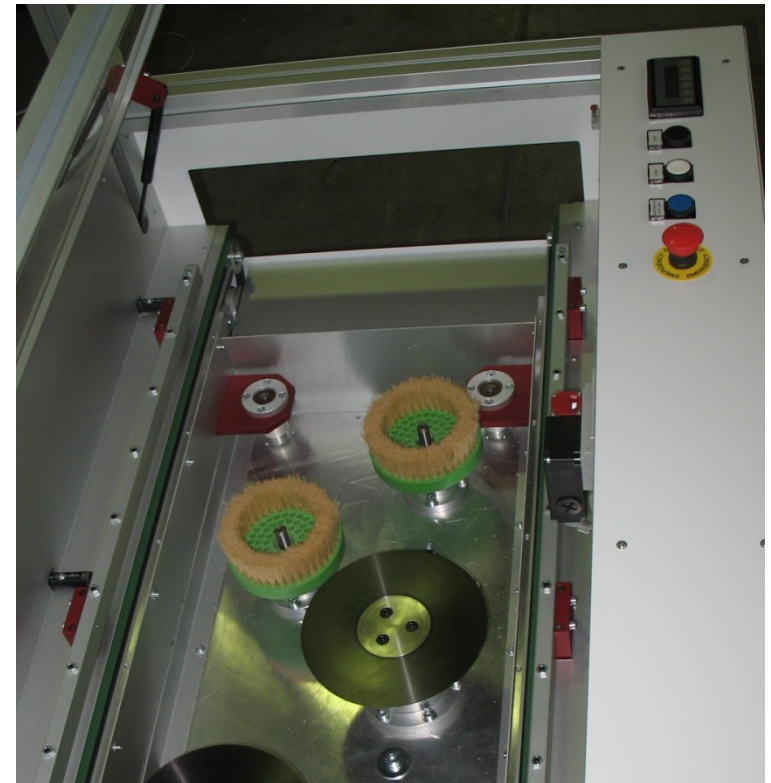
MyAutomation manufactures customized systems for special applications as dispensing, odd-shape component mounting, screwing, labelling and marking



In-Line Trimming system

Thanks to its R&D department, MyAutomation can design and manufacture a portfolio of solutions for every kind of process and production step, wherever a higher cycle time and a stable process is requested.

MyAutomation develops a wide range of special application that are especially dedicated to the SMT production market: the Trimming System is one of these.



In-Line Trimming system

Trimming systems' applications: THT components pin cut

THT components can be custom-cut before or after components' mounting on a PCB.

For manual assembly it's easier to keep long THT pins and then to cut them after the soldering process.

Trimming process consists in the manual insertion with standard THT pins, and in the wave soldering or selective soldering process that follows. The PCB manufacturing is then completed with the trimming process.

The trimming systems allows the operator to cut all the THT pins at the same length. With lead-free solder paste, that is less flexible, the trend is to avoid the stress caused by cutting the components before the soldering process, or to use trimming systems with appropriate technical features.

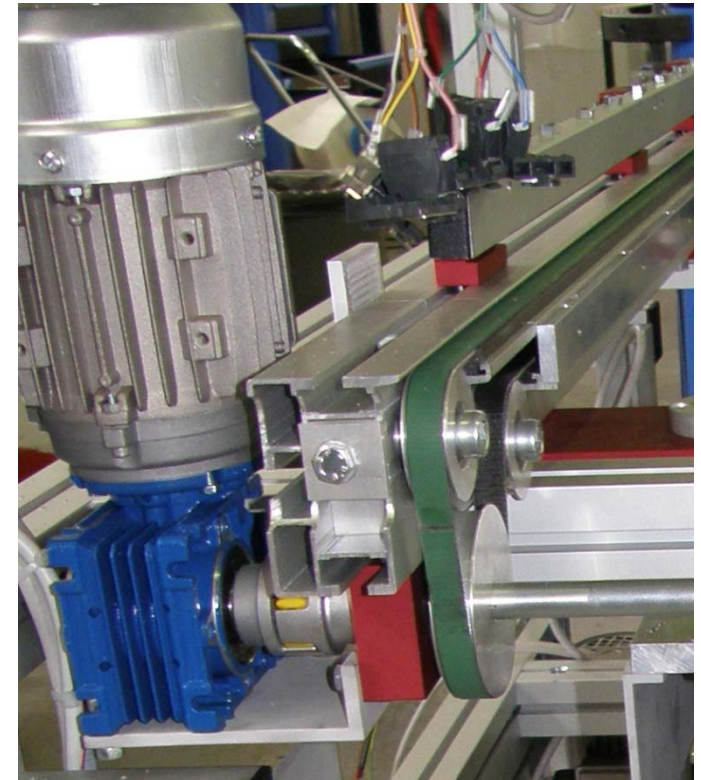
In-Line Trimming system

Conveyor system

The belt conveyor system, based on a ESD belt, is suitable for PCB or pallets

Spring system for high traction force during the cutting process

Belt and motor system for direct transport



In-Line Trimming system

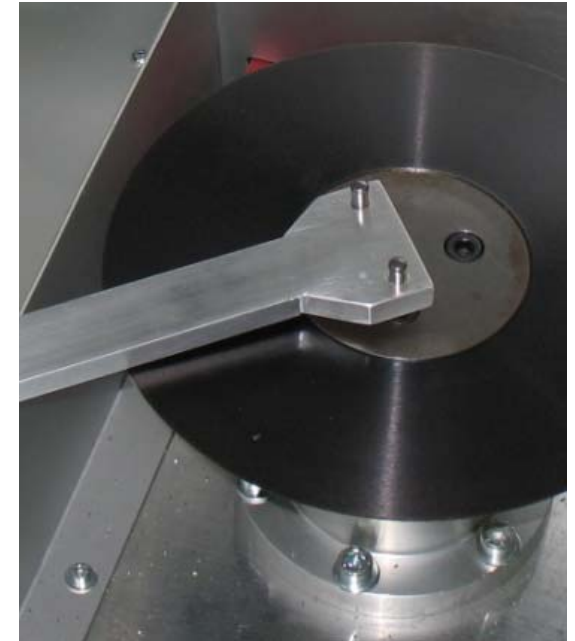
Trimming system Technical specification

- Two 210mm blades for a wide working area
- Two ESD brushes for residual removing
- Belt conveyor
- Timed de-blocking system for safety reasons
- Conveyor suitable for high weights pallets or PCB

In-Line Trimming system

Trimming system Technical specification

- Electronic set-up for blade speed rotation within the range 1.500 - 5.000 rpm
- Pin length cut electronic regulation with $\pm 0,1$ mm resolution
- PCB and Pallets advancing speed electronic regulation
- HSS blade titanium based
- Hard steel blades (optional)
- Vacuum exhaust system (optional)



In-Line Trimming system

Trimming system Technical specification

Conveyor height: 950 +/-30mm

Top clearance: 80mm

Maximum pallet / PCB height: 460mm

Maximum pallet / PCB length : 510mm

ESD belt conveyor system

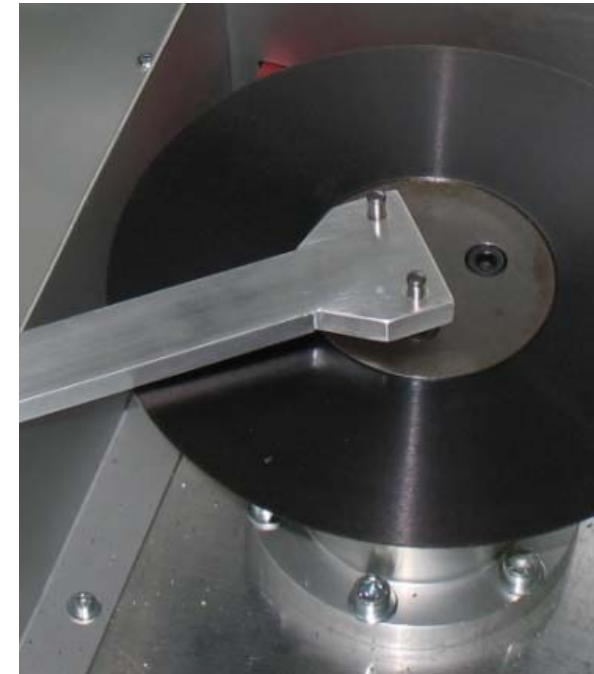
Conveyor motor: 400V triphase

Z axis repeatability: +/- 0,1mm

Blades diameter: 210mm

Blades speed: from 1.500 to 5.000 rpm

Automatic timed blades switch-off



In-Line Trimming system

Trimming system Technical specification

Omron PLC

LCD Monitor

Keyboard

Electric supply: 400V triphase

Pneumatic supply: 6 bar

Colour: RAL 7035

Weight: 350Kg

Dimensions: X=1200mm Y=850mm H=950mm



In-Line Trimming system

Trimming system Options

Low conveyor for pallet return

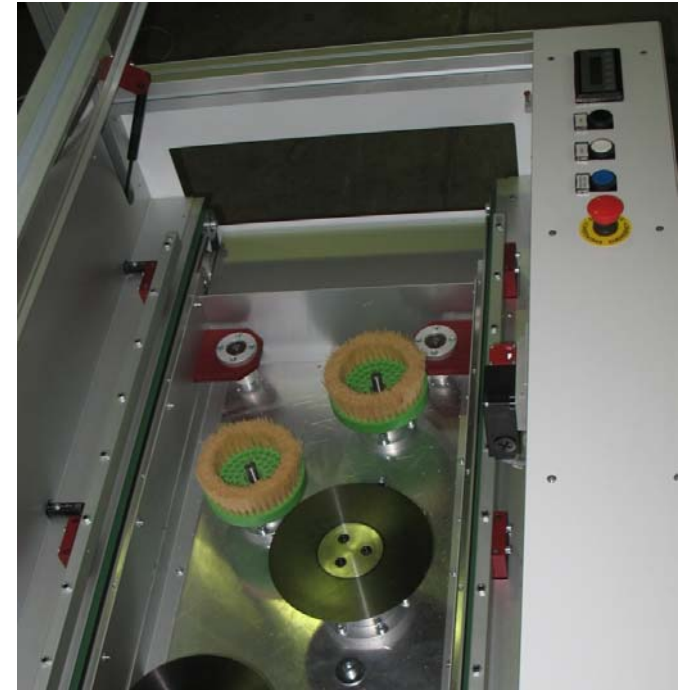
Hard steel blades

Adjustable brushes speed

SMEMA interface

Vacuum exhaust system

Ioniser



In co-operation with the Customer, MyAutomation can find out the best configuration for every production line and for any kind of process.

The technical department assures fast answers and a high quality maintenance; thanks to a wide warehouse the spare parts can be supplied within few hours.

In the field of electronic manufacturing

MyAutomation

represents a successful solution for every production need.

Thanks

Thank You
for
your attention!