

SIALAS 4X

4 heads Sinergo Automatic Laser Soldering
Pin Trimming
Automatic Optical Inspection
Two Robots Handling

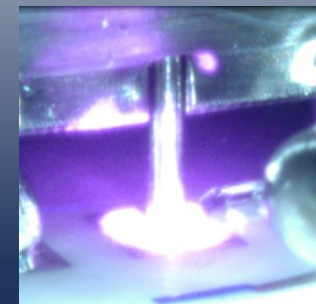
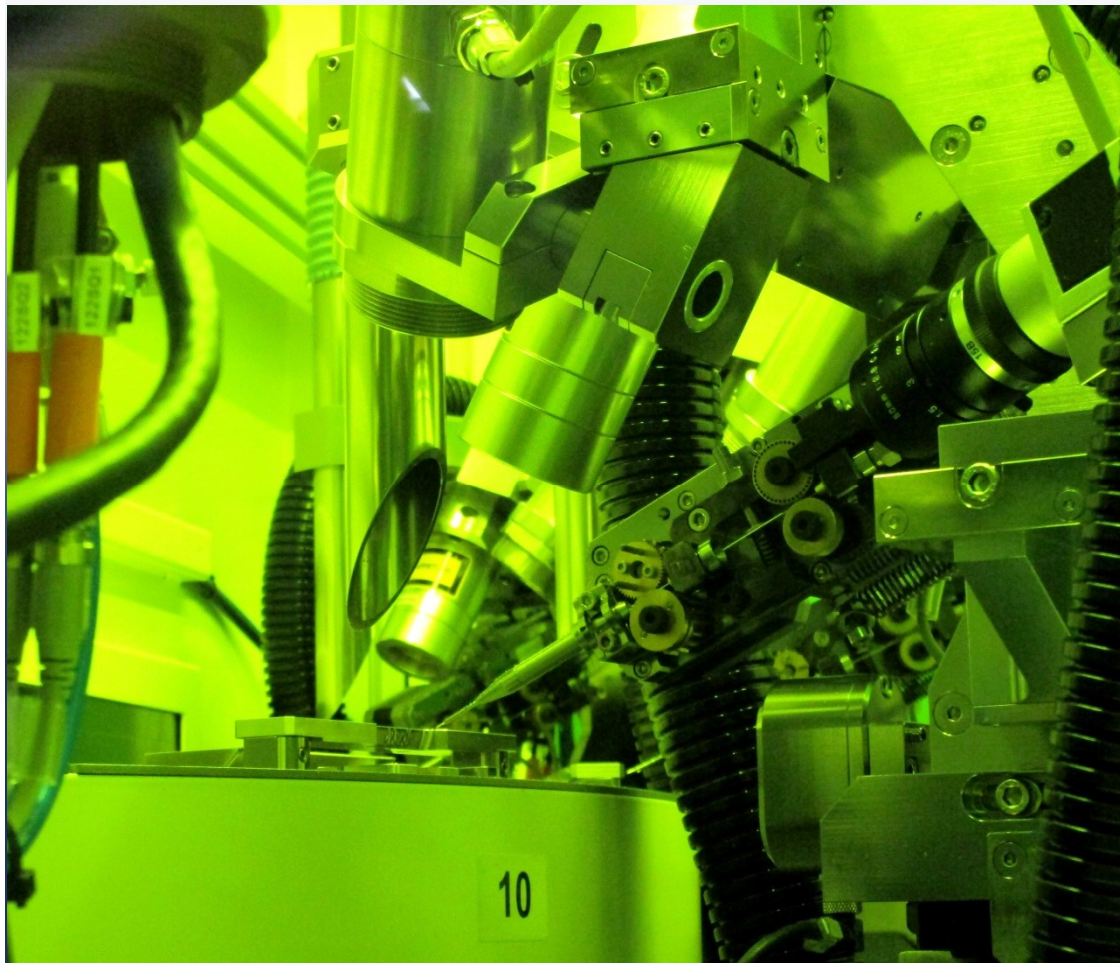


Made in Italy

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SINLAS: multiple heads allows 0,7 second/pin soldering time performance
fast tracking and closed loop temperature control, advanced PID function
programmable controlled tin wire feeder units
pre-heating of piece before processing: programmable up to 200 °C.
4 fast cameras to grab, record and display the soldering process

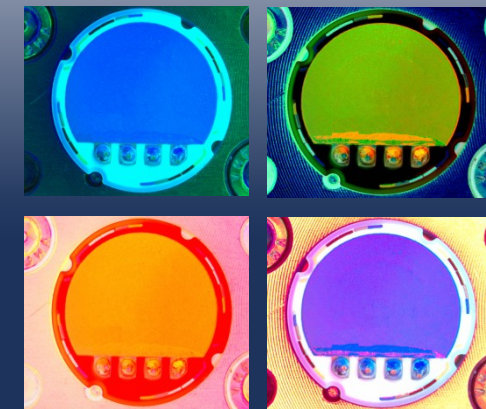
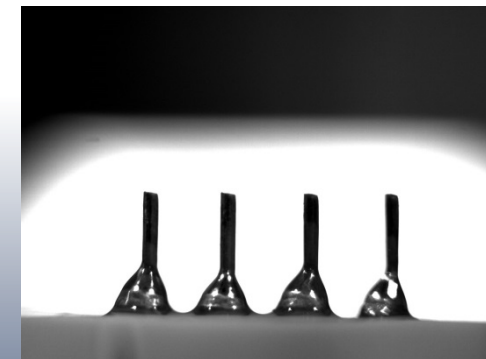
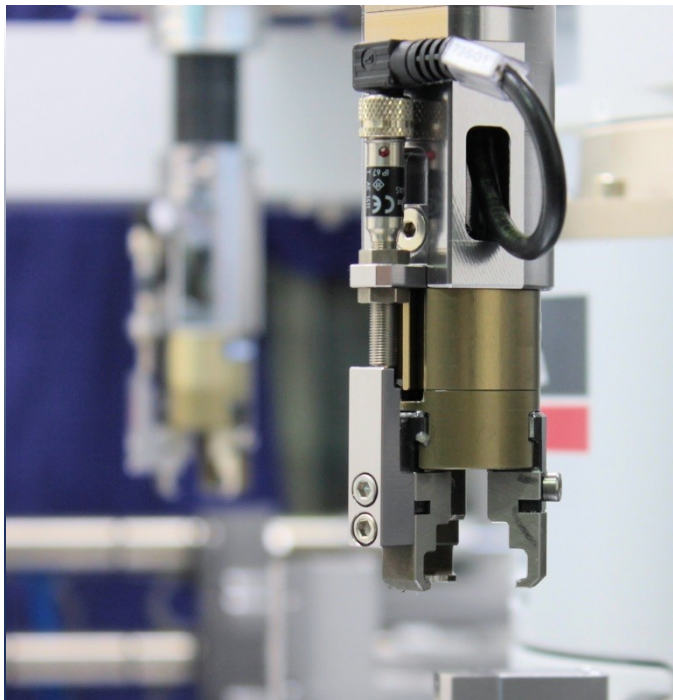
pin
soldering time:
≤ 2,5 seconds



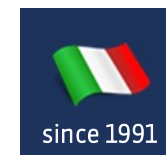
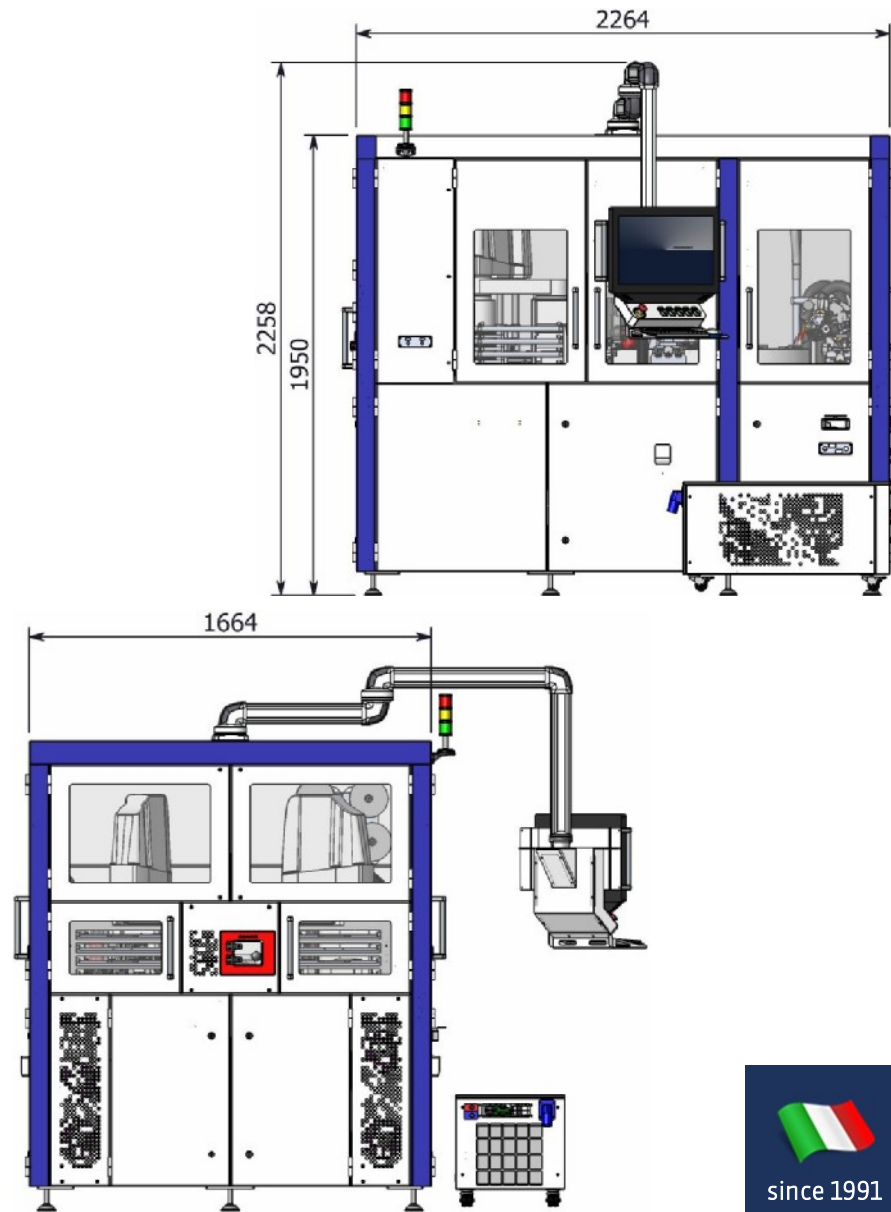
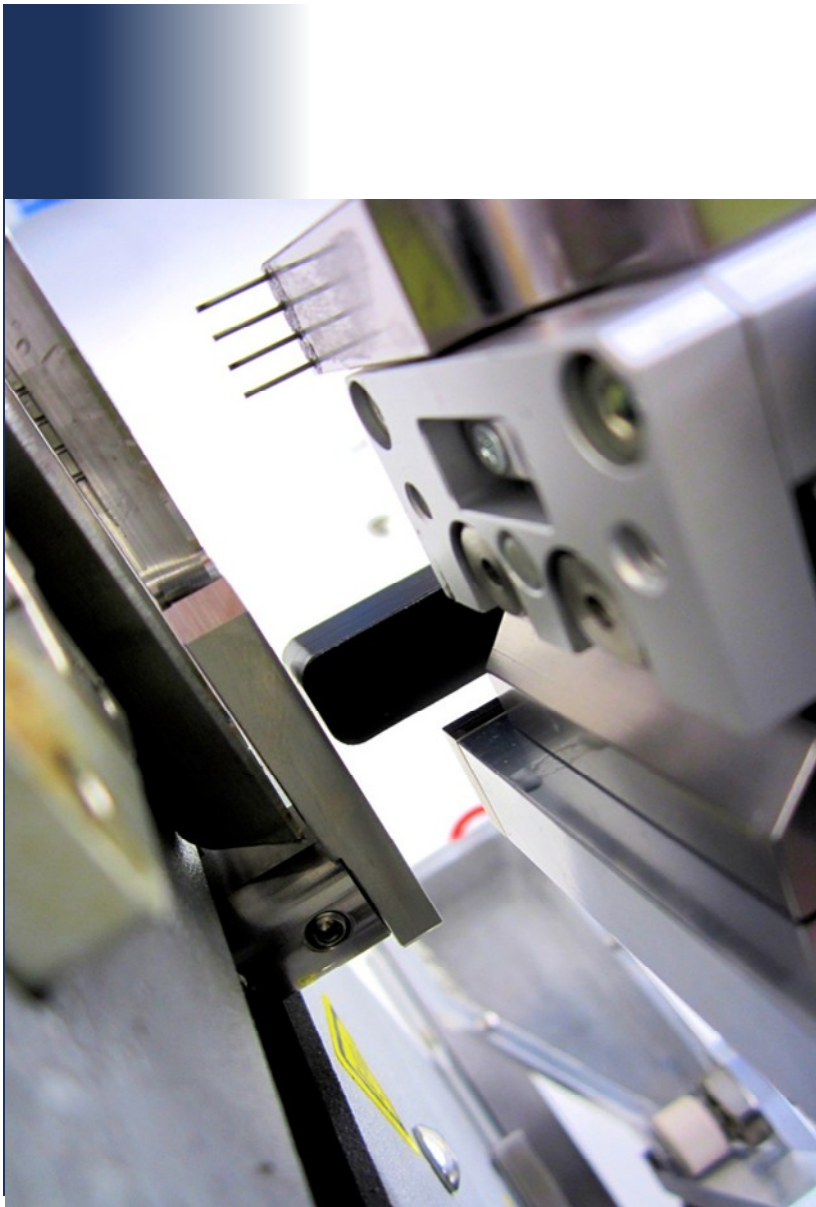
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main functions:

- scara robot n° 1: pick & place of pieces from multiple trays
- scara robot n° 2: pick & place of soldered parts to fill output trays
- station 1: hot plate buffer to pre-heat parts
- machine vision 1: to check the piece position into fixture
- machine vision 2: to read datamatrix and/or code
- station 3: to feed and cut pins from wire reels
- station 4,5,6,7: independent laser soldering units, with cameras
- station 8: pin height precision trimming unit
- machine vision 3: to measure pins height. 0,01 mm accuracy
- machine vision 4: to detect soldered joint shape and quantity
- machine vision 5: to detect empty fixture before loading



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