

SIRTAS

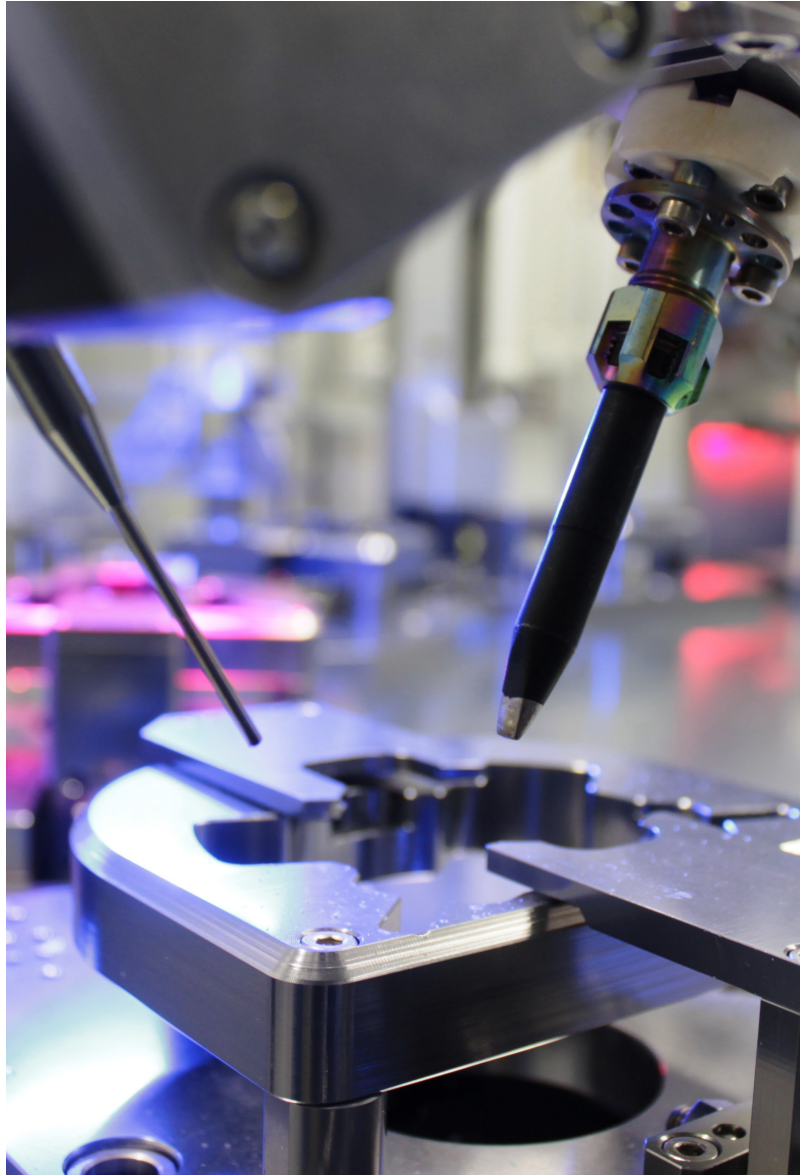
Sinergo Rotating Table Automatic Soldering Machine

Electronic or automotive parts assembling
and soldering by Sinergo hot iron units.

- 12 stations, rotating table machine. “stand-alone version” or “automatic version” with pallet conveyors line.
- Integrated stoppers and lifters.
- Fast electric XYZR pick & place system to take the piece from pallet and release it to the jig located on the rotating disc.
- When piece is done, pick & place unit brings it from the fixture and moves to the pallet, on output conveyor.
- Fully automatic, error proof, “gripper change system” on pick & place arm
- 12 floating fixtures on table: two or more different jig models can be used.
- Automatic monitoring of the fixture model, presence, position, status.



SIRTAS Sinergo Rotating Table Automatic Soldering Machine



Operations:

Station 1

Interface to the conveyors line by pick & place

Station 2

Twin automatic vacuum gripper to align and lock the PCB board

Station 3

Fixture lifts up and rotates, so that the “cutting unit” trims long wires on PCB.

Station 4

PCB position and height control by 3 lasers. Dispensing of gel flux by jet valve, mounted on XYZ electric axes actuator

Station 5-6-7

Sinergo hot iron soldering stations, on electric axis, including precision tin wire feeder, tip cleaning unit, adjustable independent slides.

Station 8

PCB “pushing down” station to fit the board into the housing

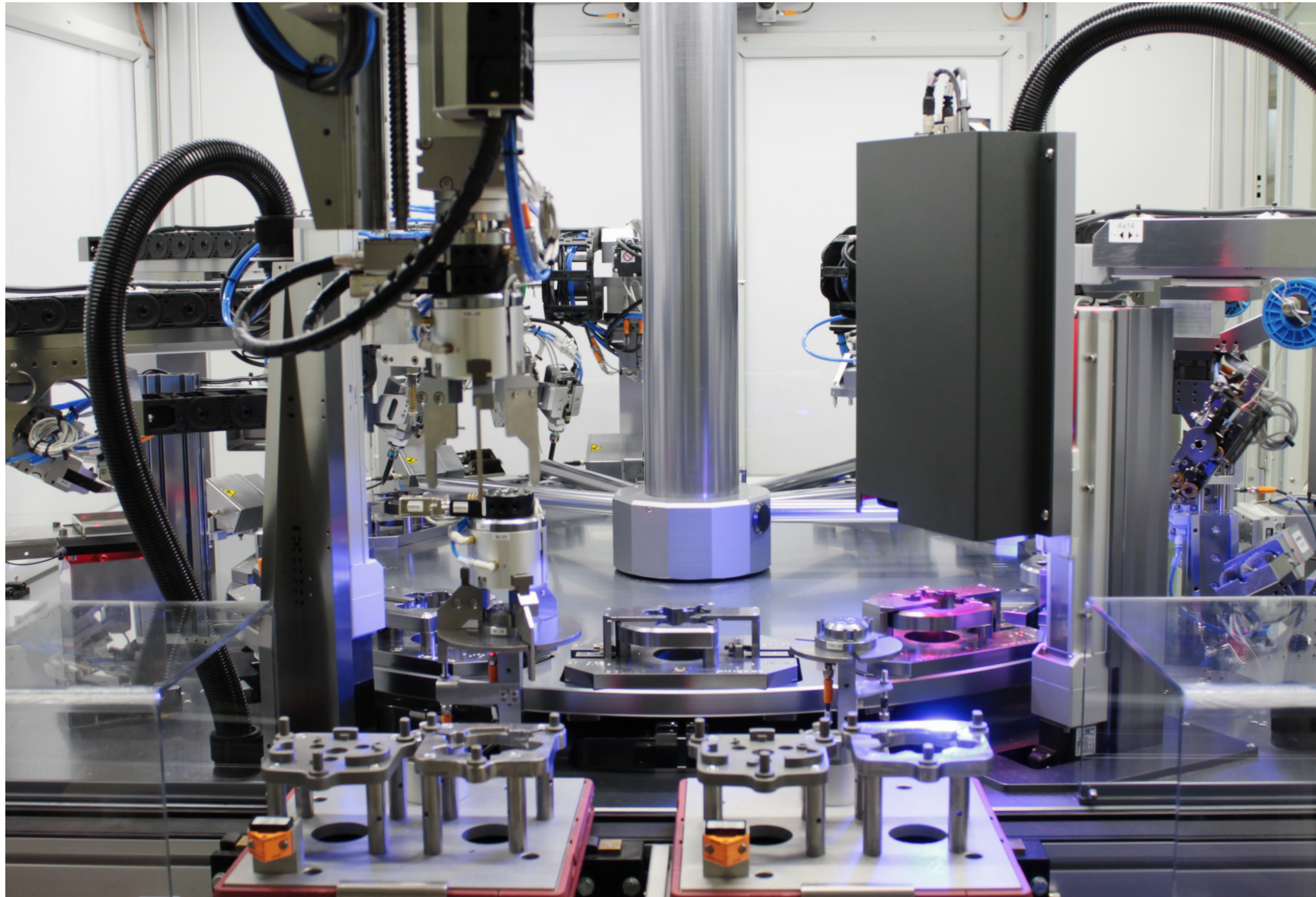
Stations 9-10-11

Sinergo hot iron soldering stations

Station 12

Sinergo AOI system, multicolor lighting

SIRTAS Sinergo Rotating Table Automatic Soldering Machine



SIRTAS Sinergo Rotating Table Automatic Soldering Machine



SINERGO srl via Laven 5 - factory: Via Cal di Mezzo 1 31049 Valdobbiadene (Treviso) ITALY
tel. +39 0423 976409 fax 972482 VAT P.I. IT 02313120269

Sinergo[®] copyright – 2015. Technical data subjected to change without notice. All rights reserved. Reproduction even partial, unauthorized use, forbidden.