

Integrated soldering

technology for the advanced industrial assembly

The below picture shows a part of an advanced assembly line for soldering special contacts on the PCB/wires and housing. Multiple systems of Etneo axes, each able to perform double simultaneously points solder. The Etneo systems integrate systems in some cases double - Two Iron Units - Two Wire feeder - Two control units, in other cases replace the iron units with special tips, designed and built to solder multiple soldering points simultaneously. The Etneo robots are installed on conveyor, performing the solder on the moving pallets.



By courtesy of our Client.



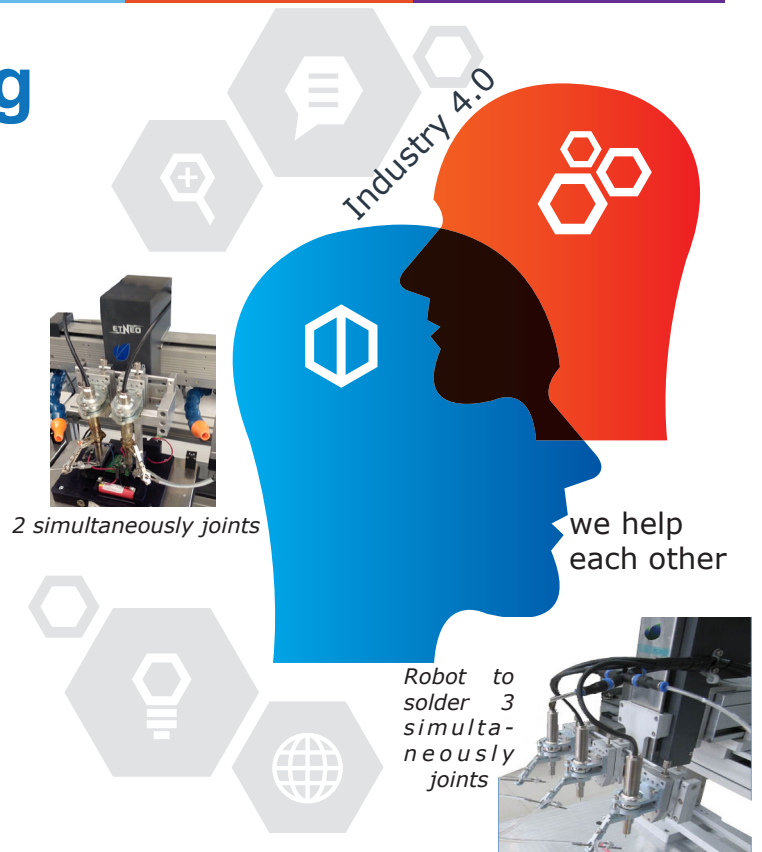
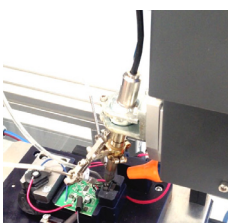
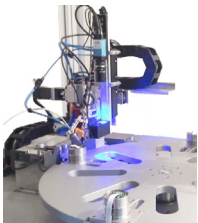
EXTENDED PRODUCTIVITY OUTPUT

Special Etneo robots able to solder more points simultaneously. Our Systems allow very short working cycles time, making therefore very competitive the parts being made, as well as they allow the insertion in production lines with on fly assembly functions, such as non contact fluid dispensing.



CONSULTING - SERVICE - CUSTOM MADE

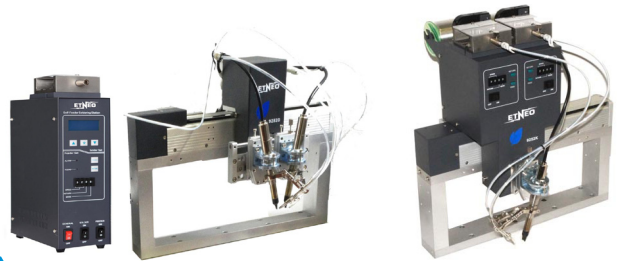
Etneo, during the phase of the working system design, indicates the best automation solution with integrated management of devices, in relation to the available budget.



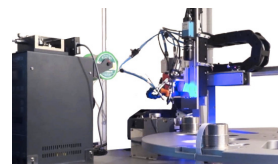
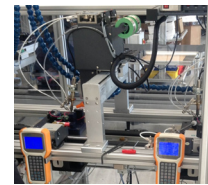
2 simultaneously joints

Robot to solder 3 simultaneously joints

“ Innovative solutions to perform multiple points being solder simultaneously. ”



Custom axis lengths - Process stations Iron unit and controller mounted as gantry to offer easy integration Conveyor layout or rotary tables type. Programmable dispensing of the alloy, both for diameters and for the functions - Alarm management to the process requirements - I / O interface signals for communications with the devices - High accuracy and speed - Specific tips cleaning systems for alloys in use (LEAD FREE) - Change the soldering tip without loss of alignment - Repeatability and reliability to operate on multiple working shifts.



Systems installed on conveyor or rotary tables



FLEXIBLE & UPGRADABLE

From the desktop to the In line. The configuration of the proper machine can be standalone, or in lines with automatic conveyor or rotary index tables.

