

Industry 4.0

The future is now

Machines that talk to the people
 Machines that give Information of productivity - of the status in progress, the yield - alert of possible downtime - self adjust of critical parameters - All in Real Time.

The current decade is experiencing an industrial change that requires new rules and methodologies. Factories that make the machines talk to people and products between them. Systems manufacturing networked, exploiting the cloud and artificial intelligence to create a single production process. Etneo, with its products, and partner skills is an Actor of the revolution called Industry 4.0.



Soldering 4.0

PRODUZIONE - CONTROLLO - GESTIONE DEI PARAMETRI E DEI PROGRAMMI DISPONIBILE PER OGNI OPERATORE INDIPENDENTEMENTE DALLO SKILL, NEI LIMITI DEL SUO LIVELLO DI SICUREZZA E COMPETENZA.

ANY OPERATOR CAN MANAGE AND TALK TO THE MACHINE, IN TERM OF PRODUCTION DATA, PROGRAMMING WITHIN HIS LEVEL OF SECURITY AND AUTHORIZATION.



SELECTIVE SOLDERING



VARIOUS APPLICATIONS



INTERNATIONAL PARTNERS



SERVICE & ASSISTANCE

Etneo has acquired, over the years, the technical knowledge for system design for repetitive and reliable processes in all its automatic soldering systems.

The work done for its clients in various industries, have guaranteed to Etneo the ability to follow the development of multiple soldering automations with excellent results.

The Etneo managers and employees have gained their experience globally, in EUROPE, USA and ASIA, creating a global network of partners, suppliers and customers.

Etneo always believed in the development of the Web, creating interactive platforms for communication and presence in the market, our Stores in multiple languages are an example.

Company New logo 2016



New web site etneo.com

NEWSLETTER 01/16

SELECTIVE SOLDERING & ROBOTICS ASSEMBLY



Balancing New Robotics/Technology

Gantry Robot design for easy configuration in automated production lines or stand alone applications. It Could be for soldering or any other assembly requirement, such as dispensing, screw-tightening, etc.



Balancing Technology

>> CONT. FROM PAGE ONE

Etneo Italy is a soldering specialist. The Company has been manufacturing soldering systems and stations with different configuration and for different applications since his creation. The electronics/automotive Industry appreciates the quality of our products and services.

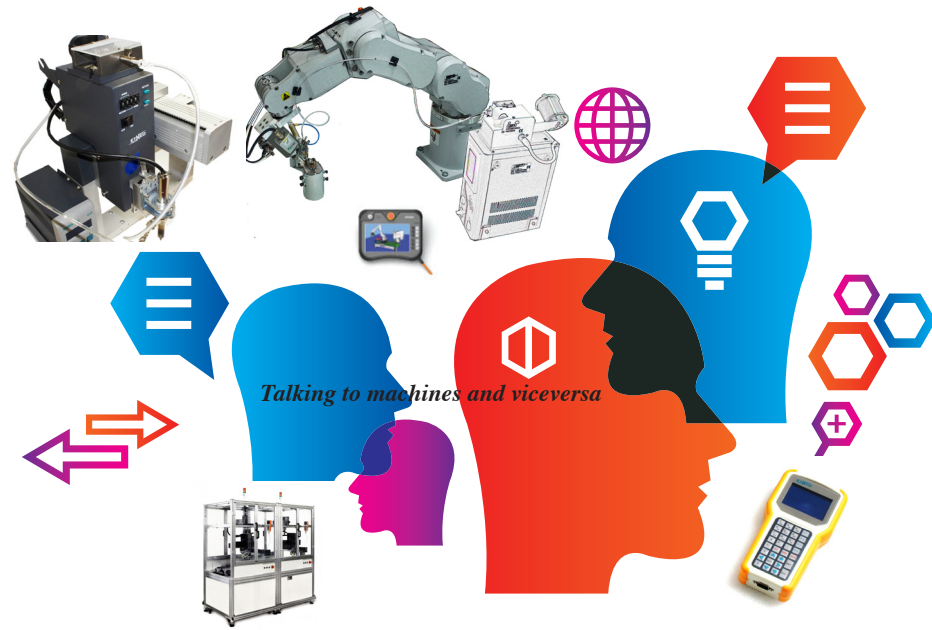
The Company, since the beginning has been engaged in the transition from the manual to the automatic work. Today this transition is going at a faster pace. The Robotics technology is offering further possibility to the manufacturing industry to implement more and more automated platforms.

Etneo develops its soldering applications/products on the following robot systems:

- DESKTOP
- GANTRY
- IN LINE UNITS

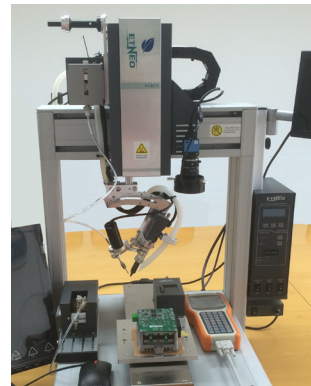
Those are the configurations fully manufactured. Etneo also supply our automated stations to 3rd Party Robot makers for:

- SCARA MODELS
- 5/6 AXIS ANTROPOMORPHOUS MODELS



“Essentially, it shows you how the choice of the robot configuration can significantly improve your yield and reduce your costs”

The user interface of our robotics are Operator friendly. Our systems can be managed by Operators with basic skill. Etneo take care of the soldering process which is usually the most complicated part of any assembly line. To ease the solder parameters profiling programming Etneo has recently add a Smart vision feature to guide the robotics axis to the target positions and a further vision/camera to help programming and control the performance.



Integrating Web Stores & Social Media

ETNEO STORES

All Etneo products, including Robots are available on line in our STORE. The platform we created allows the user to get pricing, specifications, descriptions and applications video, useful to make the correct choice. In case of further technical questions, an Etneo specialist is available in Real time during office hours. <http://www.etneo.com/en/product-category/automatic-robot/>

ACCESSABILITY

Social media such facebook or blogs are improving their presence in the manufacturing Industry. Etneo is using the socials to inform about Exhibitions, special events and product news. <https://www.facebook.com/Etneo-Italy-285184084862343/?ref=hl>
<https://www.facebook.com/EtneoWebStore/?ref=hl>

MEDIA INTERACTING

Etneo catalogues, brochures, data sheets and Manuals are all digital and on line as well as Products software.

MASTER SITE
<http://www.etneo.com/>

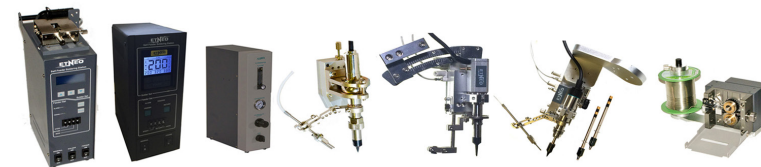
Advance Innovation while controlling costs



Can your company keep up? In Etneo we believe that the cost of soldering consummable parts needs to be less expensive while keeping the quality. This is our policy for the solder tips and all parts of an automated soldering robot.



Products and solution dedicated to the Company who does the functions integration and builds the final automation machine. Stations with temperature control - wire feeder - N2 generator - different Iron unit geometry to be install in any Robot maker head or motorized axis



Complete range for any need on line



Wide range of soldering tips, both cartridge type (with heater inside) or single tips for all Etneo system range and compatible with most known Robot/stations maker.



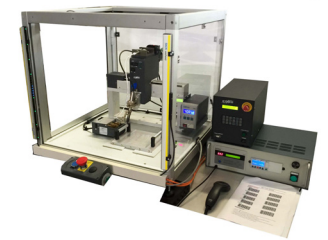
ITECH UPDATE

TECH LAB FOR CLIENTS & OPERATORS

Etneo is currently involved to improve its LAB, where the Customers can see and learn how to use the robots and validate the soldering/assembly process that we provide.

MAKING APPS FOR ASSEMBLY WORKS

As a results of his recent activity, Etneo is developing a special package of Robot and Software that include the most advanced data input by barcode reader and manager of the different soldering/assembly programs by the use of a SCANNER.



TAKE IT TO THE CLOUD

We did mention about Soldering 4.0. This program in development foresee the possibility of uploading manufacturing data to a cloud and manage them through the Internet of things.

BETA TEST PROVES A SUCCESS

New process robotics and process are on the way:

Fine fluid dispensing through non contact piezo valve.

Smart screw-tightening with automated Robots.

Fully automation functions, both with rotary table or linear conveyor have been already installed: Etneo foresee activity increase for those systems.

