

THE ART OF PRECISION

The unique solution

Profile

With almost 50 years of experience, Unitechnologies is a company active in the high technology of precision automation. With its brands sysmelec®, mta® and sylas®, Unitechnologies develops and manufactures production machines at the cutting edge of technology for industries such as watchmaking, medical, micro-electronics, automotive and optoelectronics.

Thanks to its highly qualified professionals, its state-of-the art infrastructure, its proven method of managing knowledge and mastering risks, Unitechnologies proposes innovative and highly efficient solutions, perfectly adapted to the customer's needs.

Key competences

Precision-automation processes

Thanks to a long experience in the design and realization of sysmelec® automatic custom machines for the microtechnical industry, Unitechnologies has acquired a unique know-how in the mastery of processes such as attachment, measurement and production of miniaturized products.

Tests and validation

- Advice in the optimization of the customer's production process
- Feasibility studies with the considered technologies and material
- Vision, soldering, dispensing and laser process validation

Numerical automation technologies

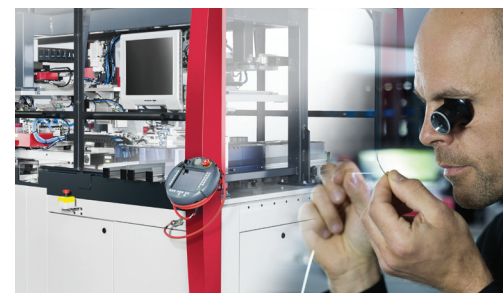
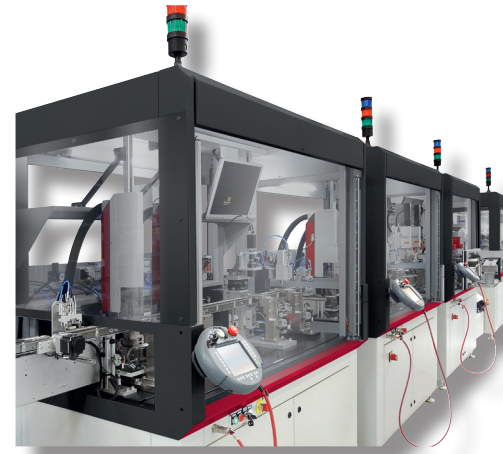
- High performance robotics in terms of both dynamics and precision
- Integration of multi-axis robots from the market
- Automation of tools according to specific requirements

Project management

- High performance project management for machine realization
- Extensive expertise in microtechnical technologies
- Mastering of extreme flexibility constraints

Quality management

Unitechnologies follows the principle of continuous improvement of its processes, products and procedures. All quality, environment, security and conformity management aspects are truly considered. Unitechnologies proposes its competences in the following quality standards: ISO, GMP, GDP, GAMP4 and GAMP5, and is ISO 9001 certified.

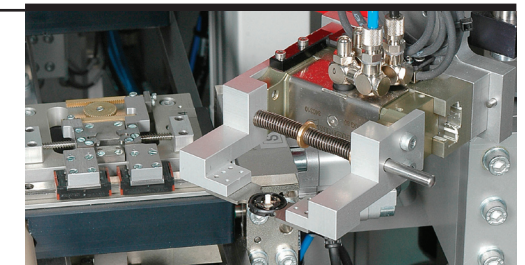


Core business

sysmelec® custom machines

Custom designed machines, mainly intended for the automated assembly of micro-technical products that are demanding in terms of precision and integrated processes.

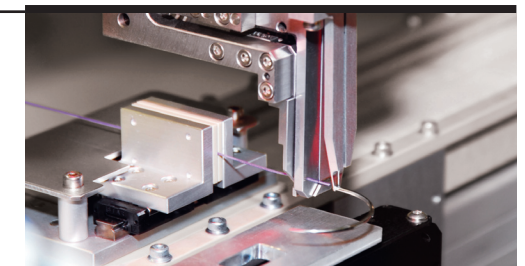
All machines are realized according to the customer's specifications.



sysmelec® surgical suture machines

Flexible automated standard machines for the cutting, assembling, crimping and winding of surgical sutures into customer's specific packaging.

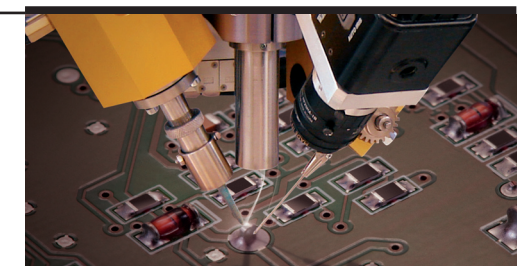
The machines are capable of handling multivariant surgical sutures.



mta® selective soldering

Automated selective point to point soldering processes using iron, laser, induction or microflame technologies, based on standard platforms.

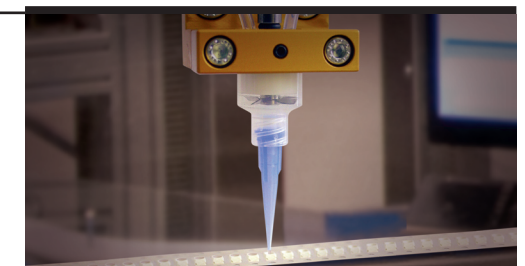
The product range includes semi-automatic table top robots as well as fully automatic production cells.



mta® volumetric dispensing

Automated high-precision volumetric dispensing processes for micro-volumes of mono or two-component fluids down to 0.1mm³, based on standard platforms.

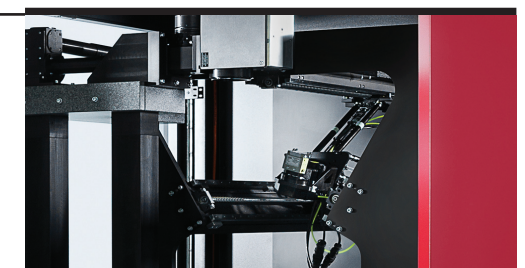
The product range includes simple manual systems, semi-automatic table top robots as well as fully automatic production cells.



sylas® laser systems

Industrial platforms dedicated to the process automation of 3D laser surface processing such as selective polishing and thin film ablation.

In addition, the platforms can also be used for other laser applications such as engraving, cutting, welding, marking and structuring processes.



Headquarters

Unitechnologies SA

Bernstrasse 5
CH-3238 Gals
Switzerland

T +41 32 338 80 80
F +41 32 338 80 99
info@unitechnologies.com
www.unitechnologies.com

Subsidiary USA

mta automation inc.

50-1 River Street
Old Saybrook, CT 06475
USA

T +1 860 399 1141
F +1 860 399 1159
info@mtaautomation.com
www.mtaautomation.com