



SINERGO[®]
ELECTRONIC ENGINEERING

innovative automation



SINCE 1991

CULTURE OF INNOVATION.

TRUST.

Hundreds of Companies around the world
have chosen Sinergo machines and services.

EXPERIENCE AND CREATIVITY.

We develop innovative solutions
through a rigorous working method.

CARE AND COMMITMENT.

We listen carefully to our customers' needs.
Every request becomes a goal to be achieved.

RESEARCH AND DEVELOPMENT.

We aim to provide our customers with the best
equipment and up-to-date technologies.

QUALITY.

We produce industrial machines ensuring
high quality from design to after-sales support.



OUR ROOTS

Our roots are in Valdobbiadene among the Prosecco Hills. www.valdobbiadene.com

The taste of nature. UNESCO Heritage. whc.unesco.org/en/list/1571

Our roots are in the Veneto territory where Venice fascinates everyone for its art and the pleasure of life. www.veneto.eu

OUR VALUES

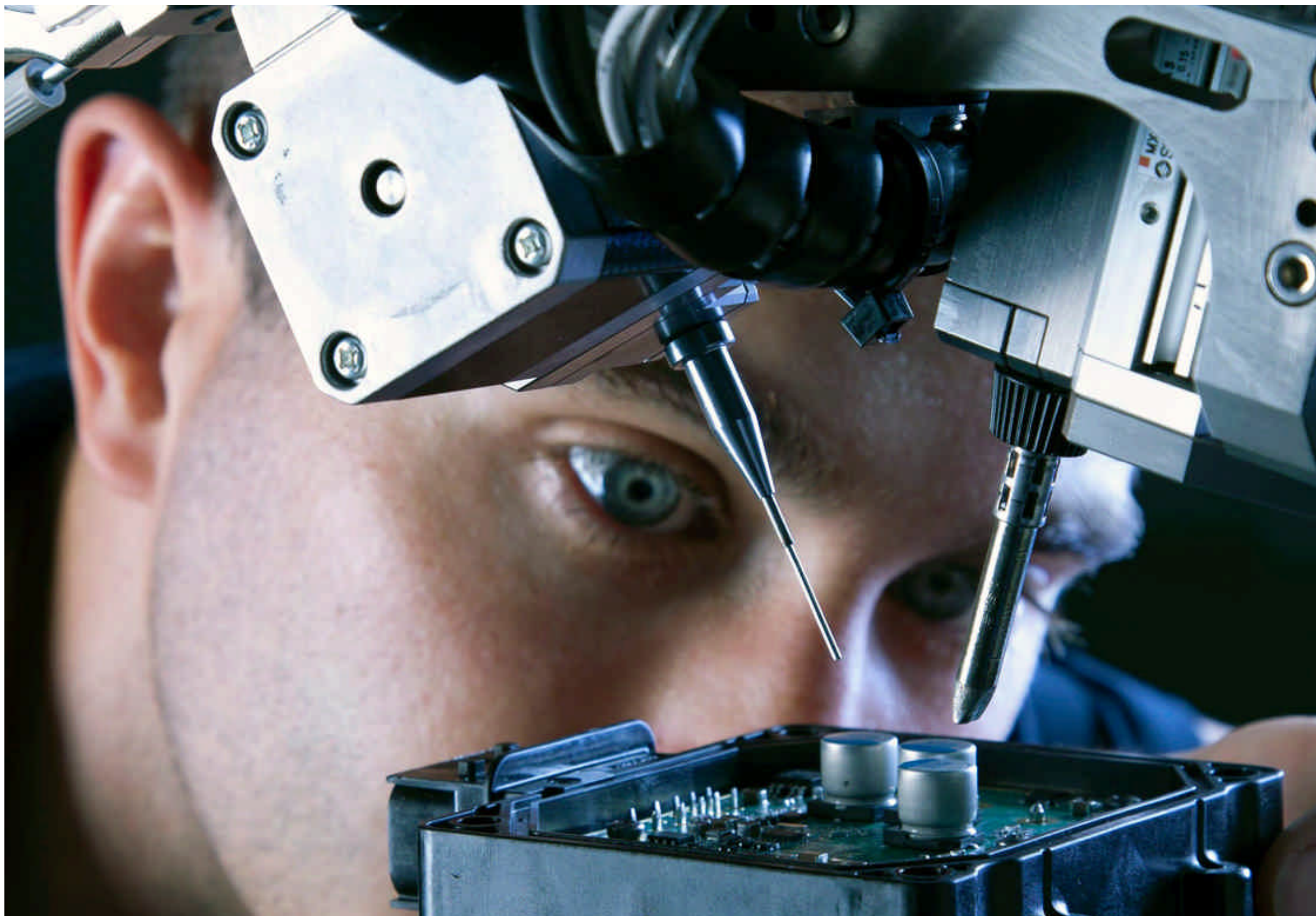
The Venetians possess their own mild and balanced expression, the peculiarity of tending towards the autonomy of their own work and life; and great moral qualities such as the spirit of initiative, organization, invention, work techniques, industriousness and sacrifice.

OUR VISION

The world is changing ever more rapidly and drastically.

Many challenges await us also because of the new balance of power between Countries, because of conflicts, because of the effects of a globalization without rules and without identity, because of climate change and the energy crisis and the tumultuous developments of technologies.

Aware of all this and strong in our history and our values, we will face the future and our dedication to work will always see us as protagonists.

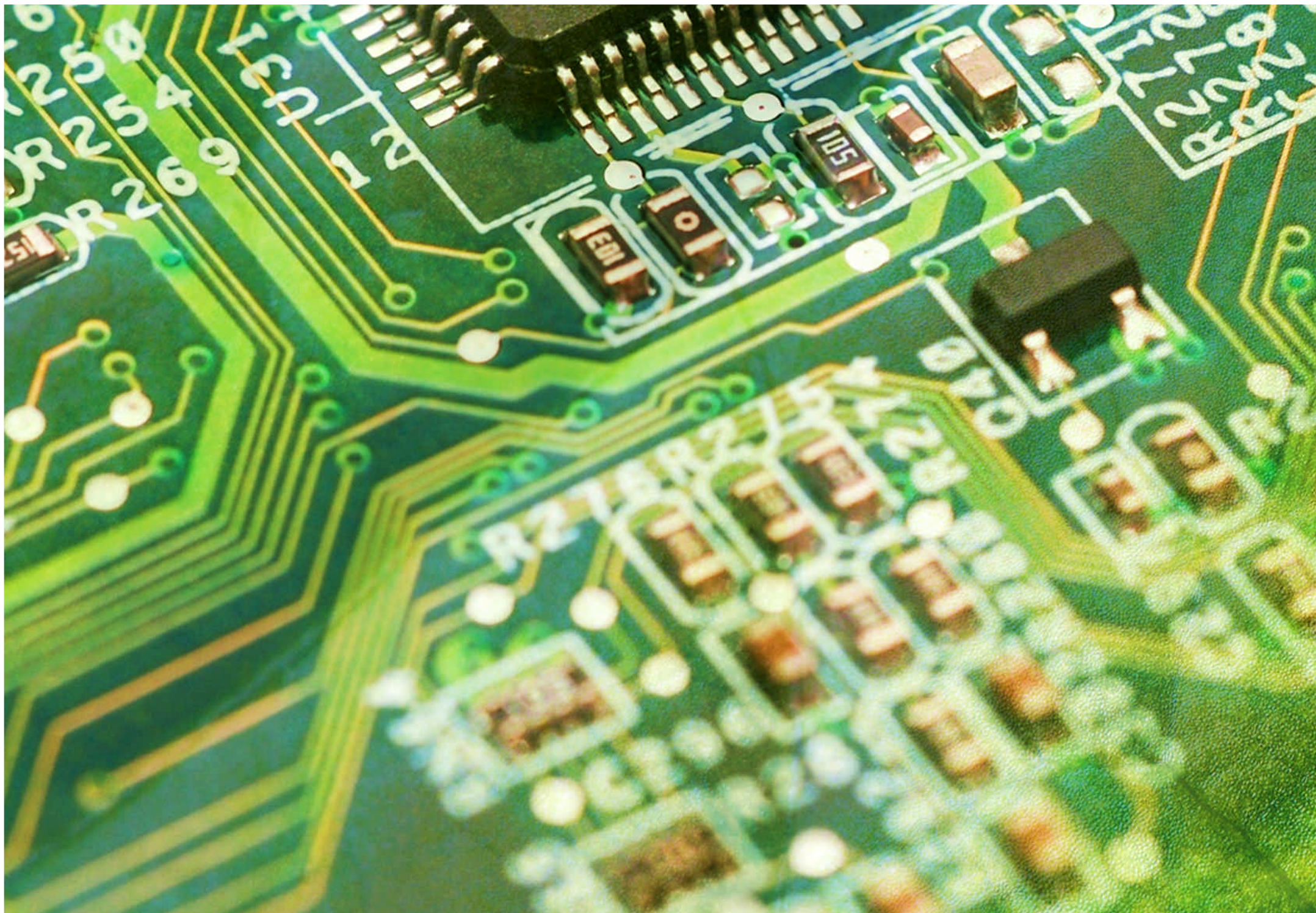


SINERGO

SIN

SINERGO

A professional and close-knit "team" that does not fear challenges
and wants to experience the pleasure of being a little more ambitious every day



CORPORATE AND ENVIRONMENTAL SUSTAINABILITY
interpreted by Sinergo.

In the company there is great attention
to the environment,
to the management of the little waste that is produced,
to the design and construction of machinery
that save energy, that allows more economical,
sustainable and clean production processes.

In Sinergo there is attention
to the quality of the internal living spaces,
which are rationally organized.

The staff works in environments with large windows
enlighten by new LED lights,
entirely air-conditioned with efficient heat pump systems,
powered by a photovoltaic installation on the roof.

In the workshop, the new efficient CNC machines are equipped
with suction and filtering systems that go well beyond the legal requirements.

QUALITY MANAGEMENT CERTIFICATES

ISO 9001 : 2015 IT -139734 - 0819.2023



ISO 9001 : 2015 N° 0819.2023





SINERGO
ELECTRONIC ENGINEERING

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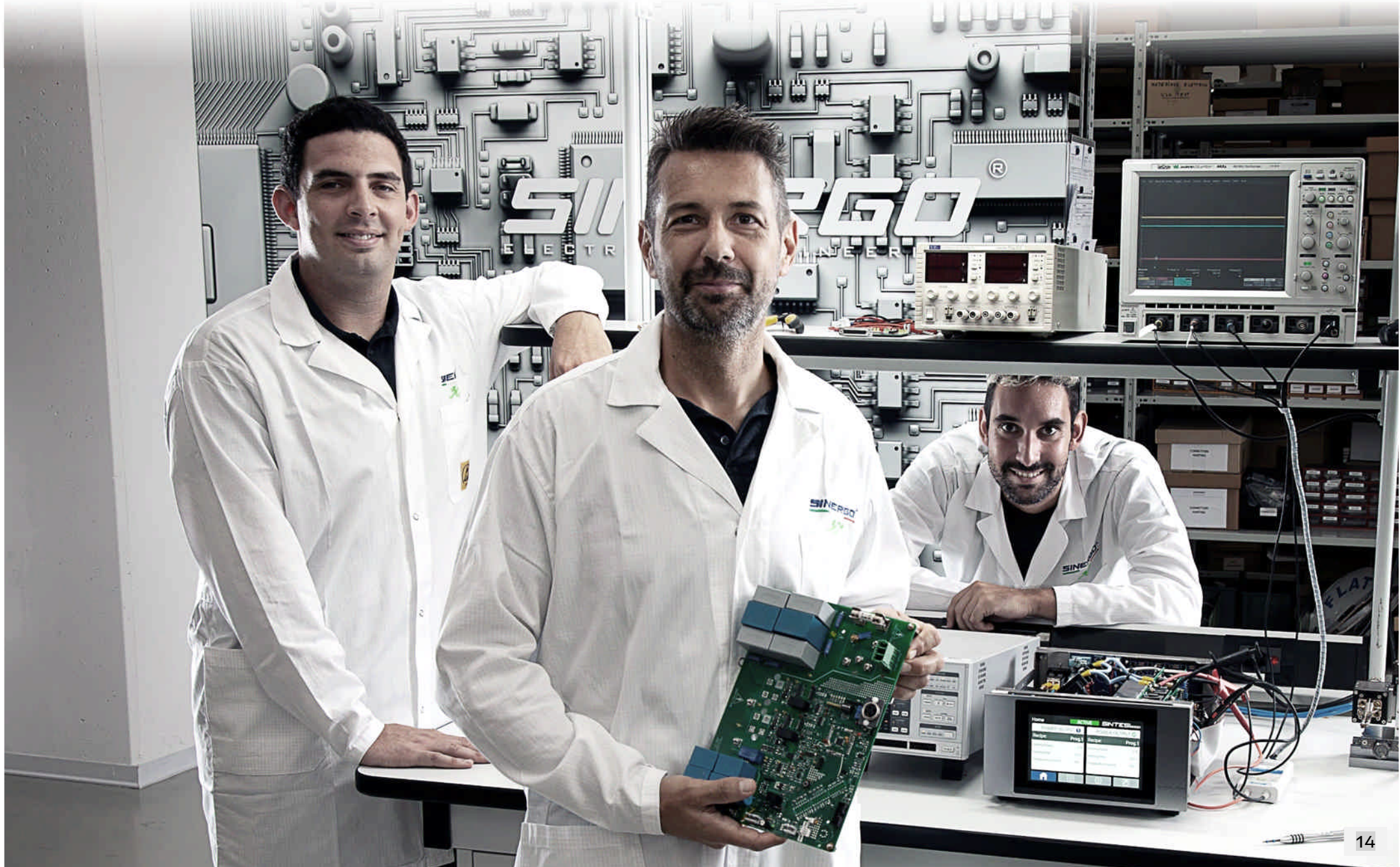
CONCEIVING, DESIGNING, DRAWING, INDUSTRIALIZING NEW PRODUCTS AND MORE MODERN HIGH-QUALITY MACHINERY. CAD, E-CAD, CAM DESIGN SERVICE.



DEVELOPMENT OF APPS, CONTROLS AND SOFTWARE FOR THE FACTORY AUTOMATION
C++, C#, VB, MICROCONTROLLER, PLC, SCADA, MES, DATABASE, ROBOTICS, MACHINE VISION, 2D-3D AUTOMATIC OPTICAL INSPECTION AND MEASUREMENTS



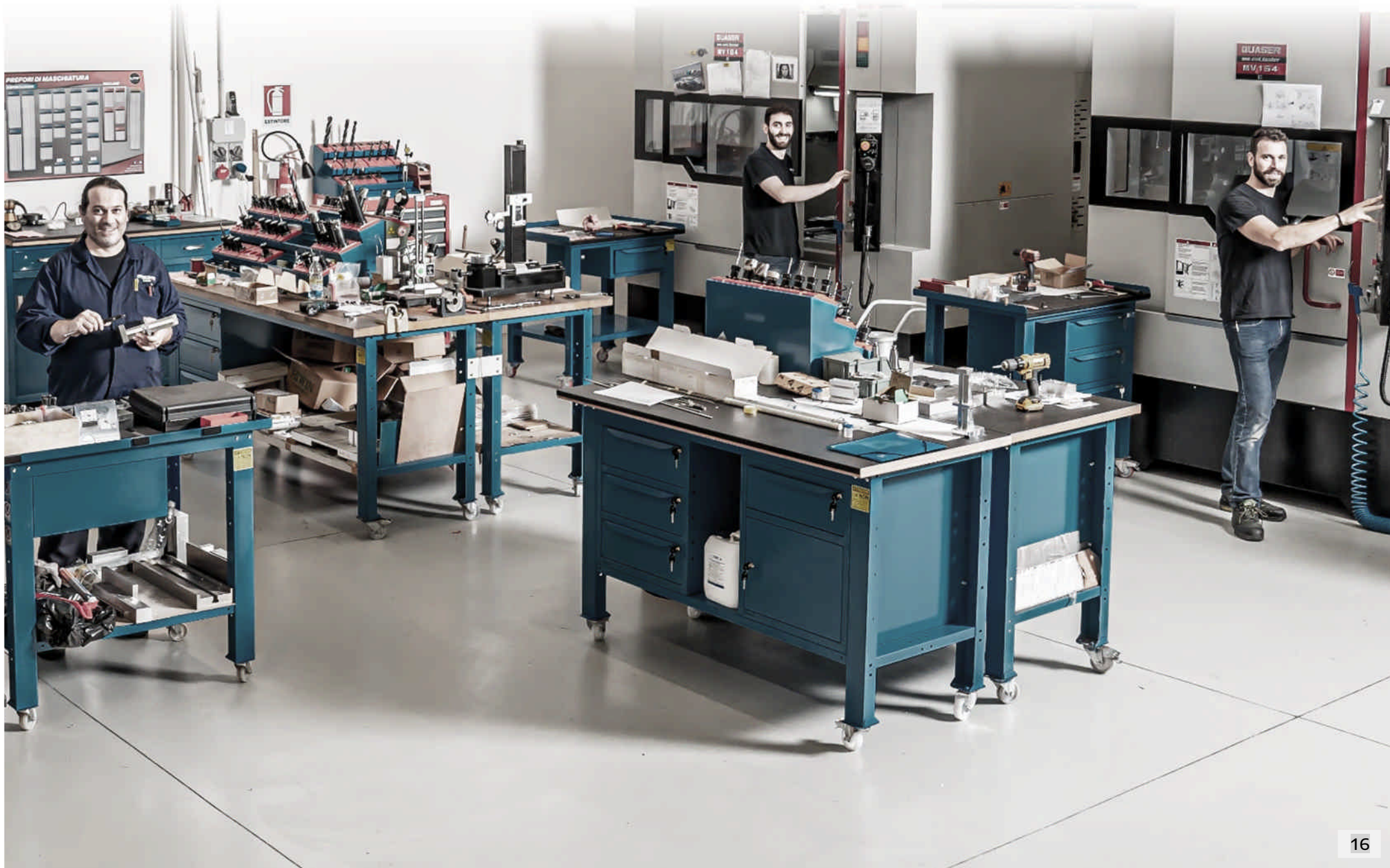
ENGINEERING & INDUSTRIALIZATION. DEVELOPMENT OF ANALOGUE AND DIGITAL, SIGNAL AND POWER, ELECTRONICS. HIGH FREQUENCY POWER CONVERTERS. PCB BOARD DESIGN.



MACHINES AND LINES ASSEMBLY. FEASIBILITY TEST. TRAINING. MAINTENANCE. COMMISSIONING. AFTER SALE SERVICE. REFURBISHING.



MACHINING DEPARTMENT WITH SEVERAL NEW CAM CNC MACHINES. PRODUCTION OF PRECISION PARTS, FIXTURES, TOOLS, ..., PLATES UP TO 1000x2000 MM







TECHNOLOGIES, SOLUTIONS, SERVICES

Design of new products and high-tech machinery.

Development and optimization of industrial processes.

CAD, E-CAD, CAM, CNC service.

Robotics & customized solutions.

Machine vision controls

Software for automation, enabling industrial processes.

Software for the Factory Automation: traceability, scada, mes, database.

“Cleanroom standard” equipment.

“ESD EPA standard” equipment.

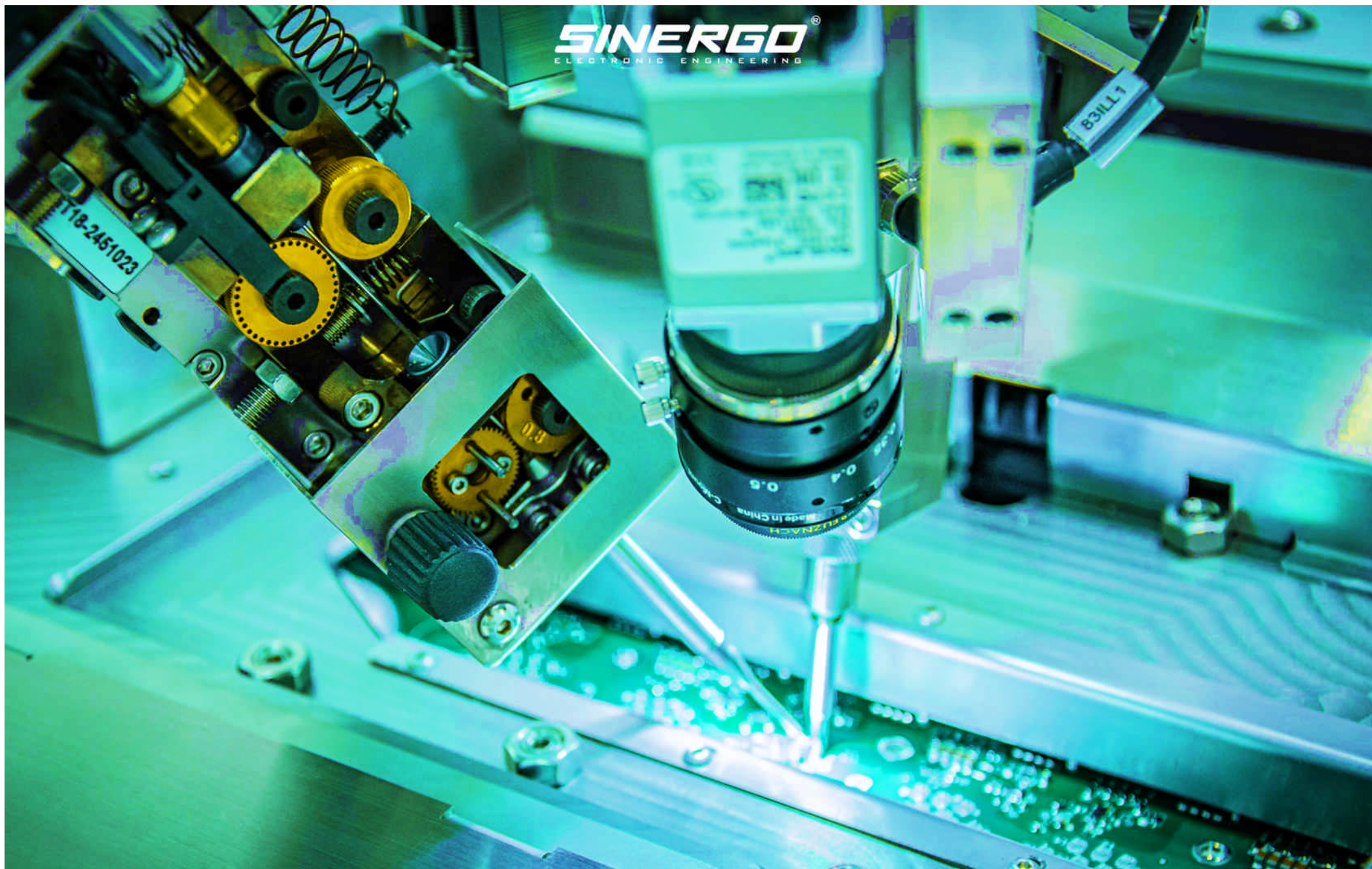
“Medical environment standard” equipment.



Precision assembly
Mounting
Coupling
Packaging
Screwing
Soldering Brazing & Welding
Fluids dispensing
Gasketing & Potting
Weighing of the dosed
UV - Hot Curing

Blue Laser marking
Blue Laser soldering
Electromagnetic induction
Electric Test
Automatic Optical Inspection
Pick & place
Hot iron soldering
Very high vacuum treating
Precision cutting moulding
Dimensional measurement

ELECTROMAGNETIC INDUCTION



HOT IRON SOLDERING



SOFTWARE DEVELOPMENT

QUALITY INSPECTION AOI IPC610

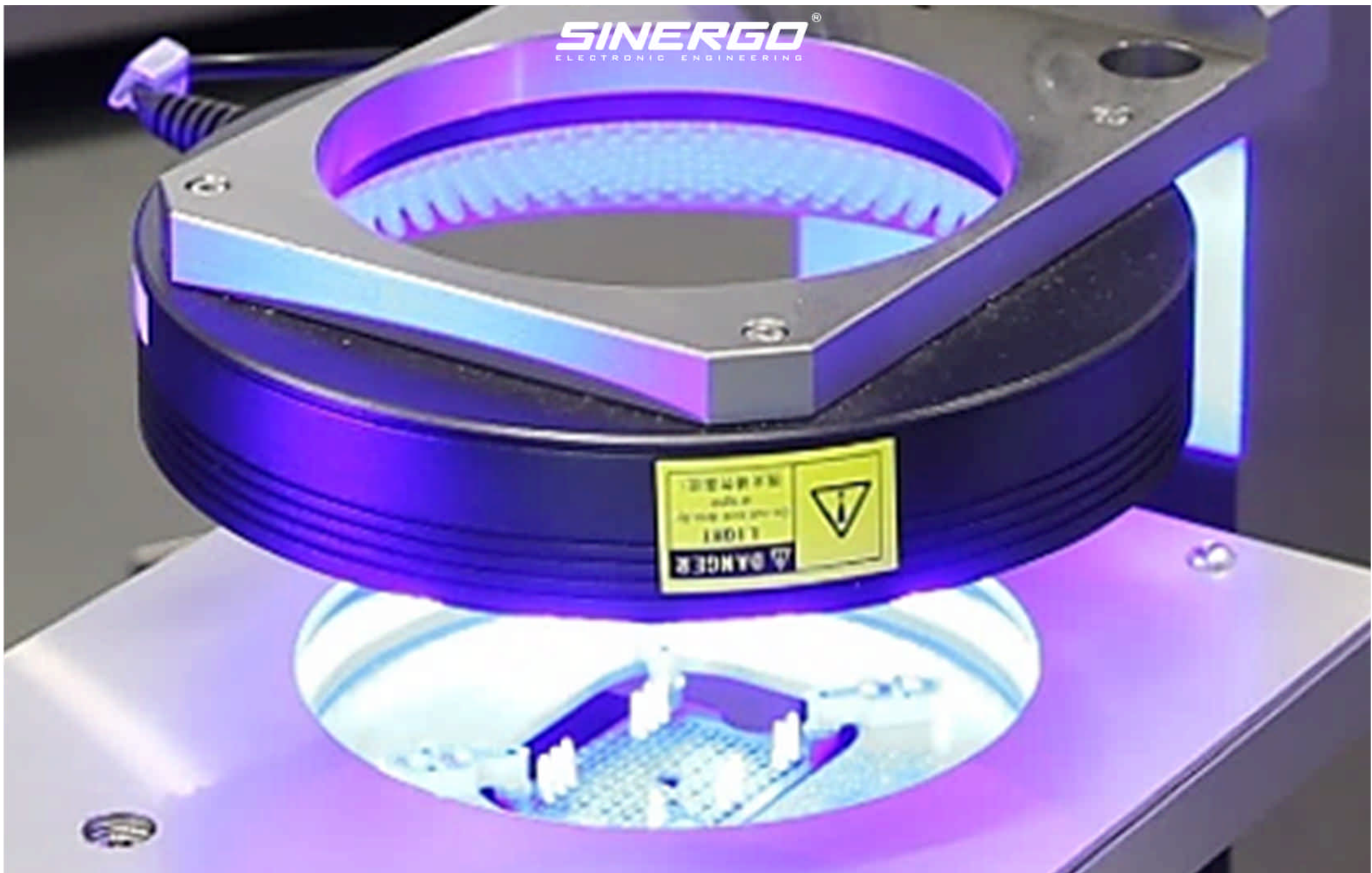
HIGH VACUUM INDUCTION FURNACES

BLUE LASER SOLDERING

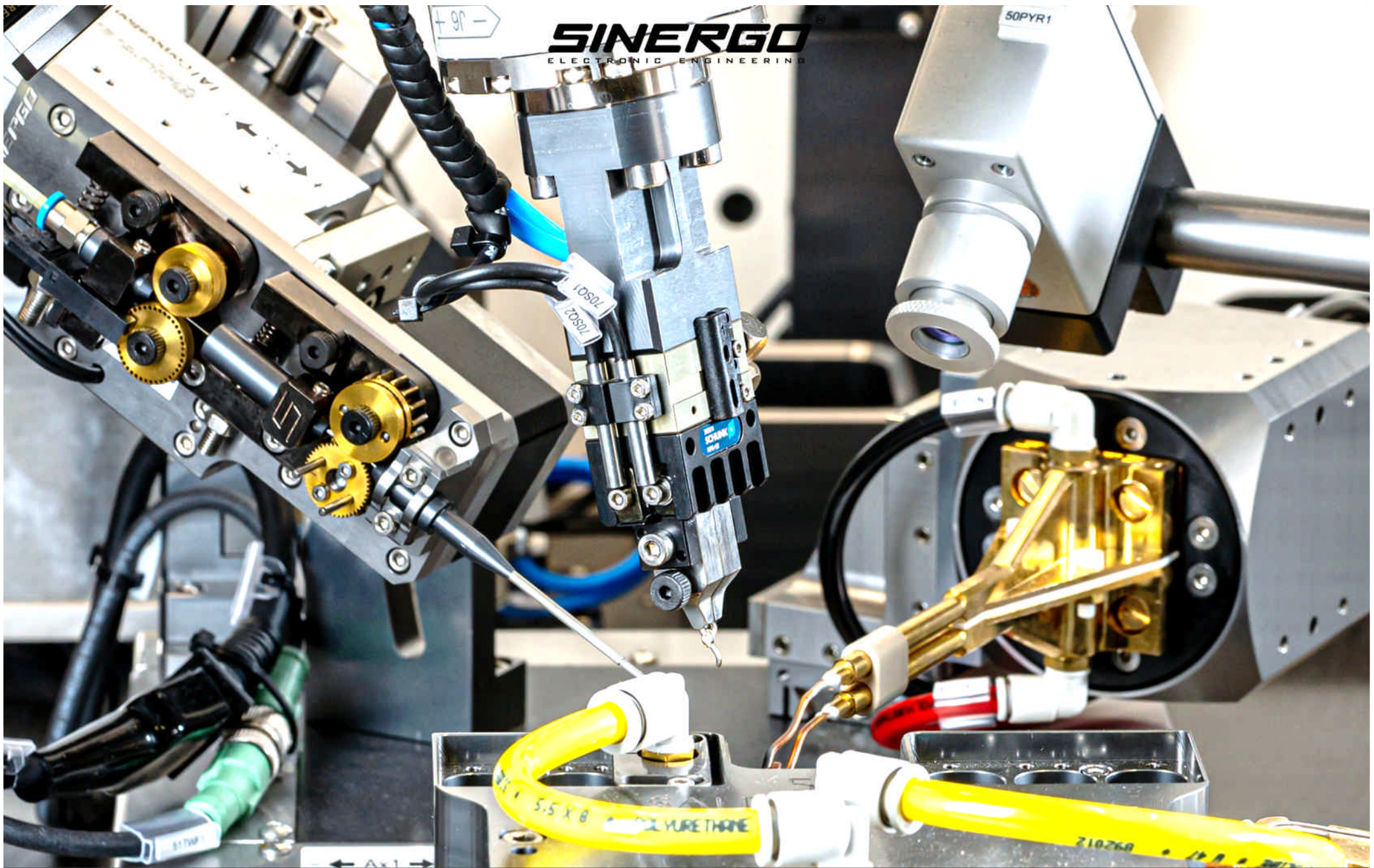
SINERGO®

RECELL

BLUE LASER MARKING

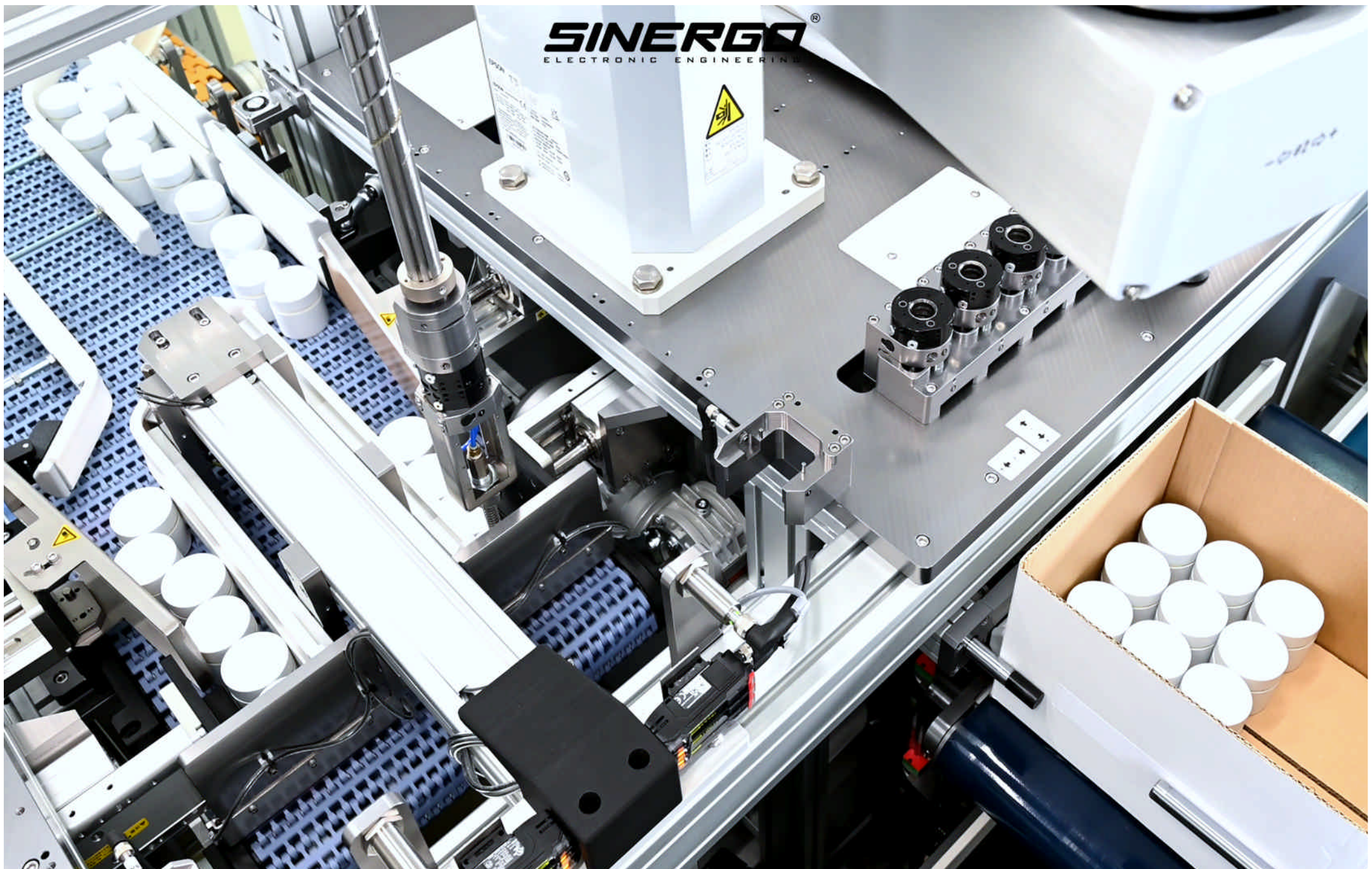


MEASUREMENT BY MACHINE VISION

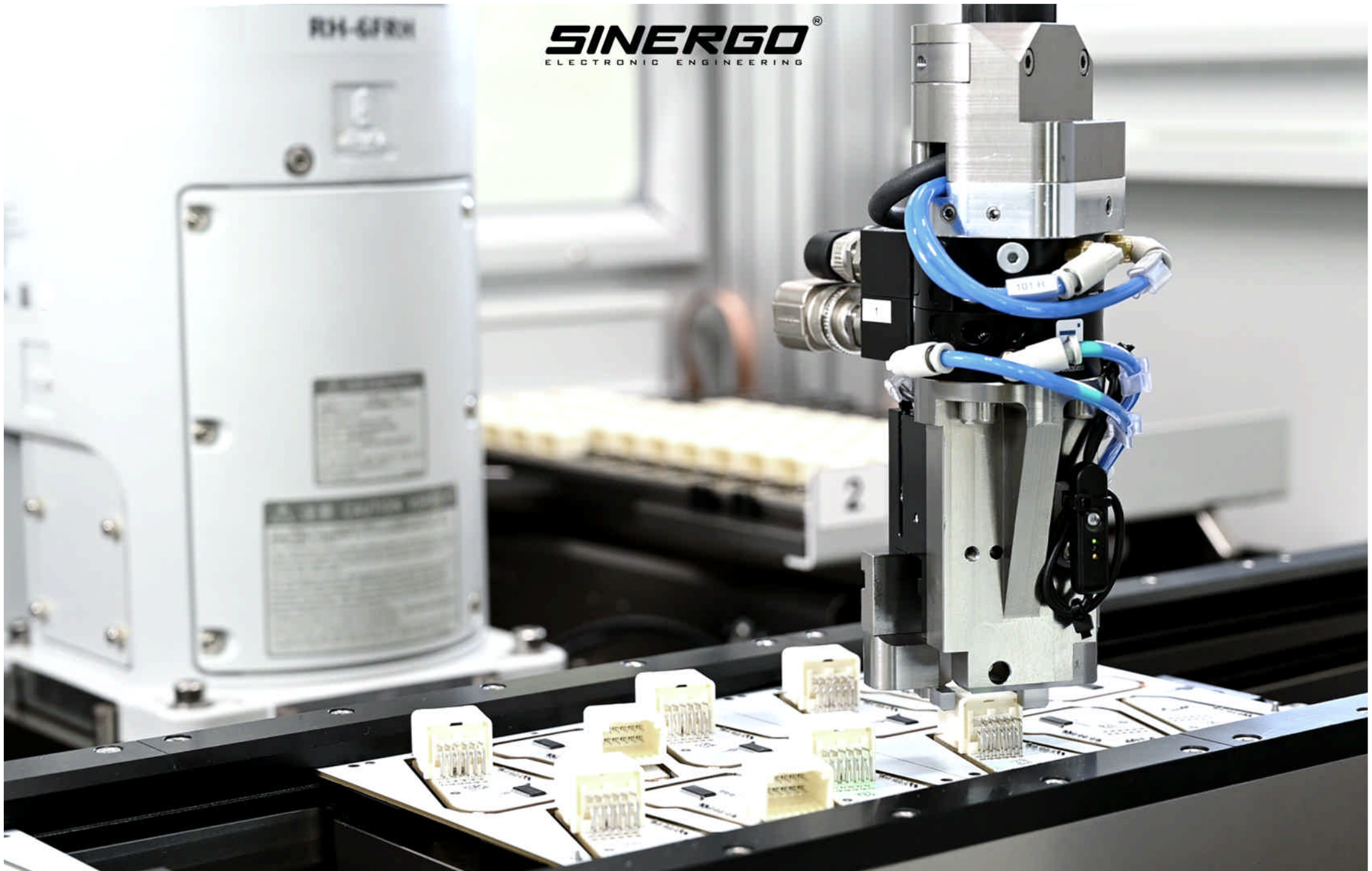


PRECISION ASSEMBLY

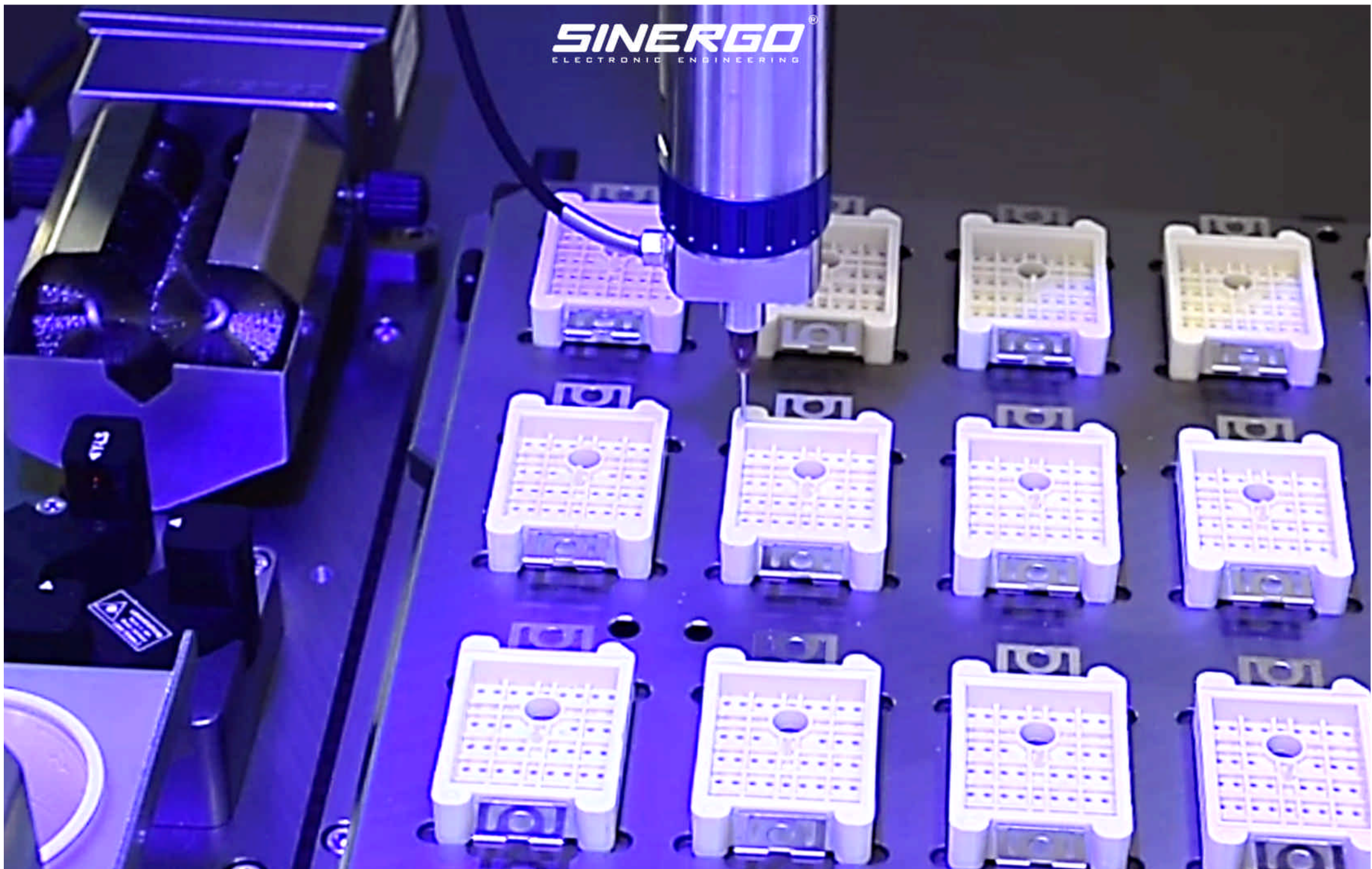
AUTOMATIC SCREWING STATIONS



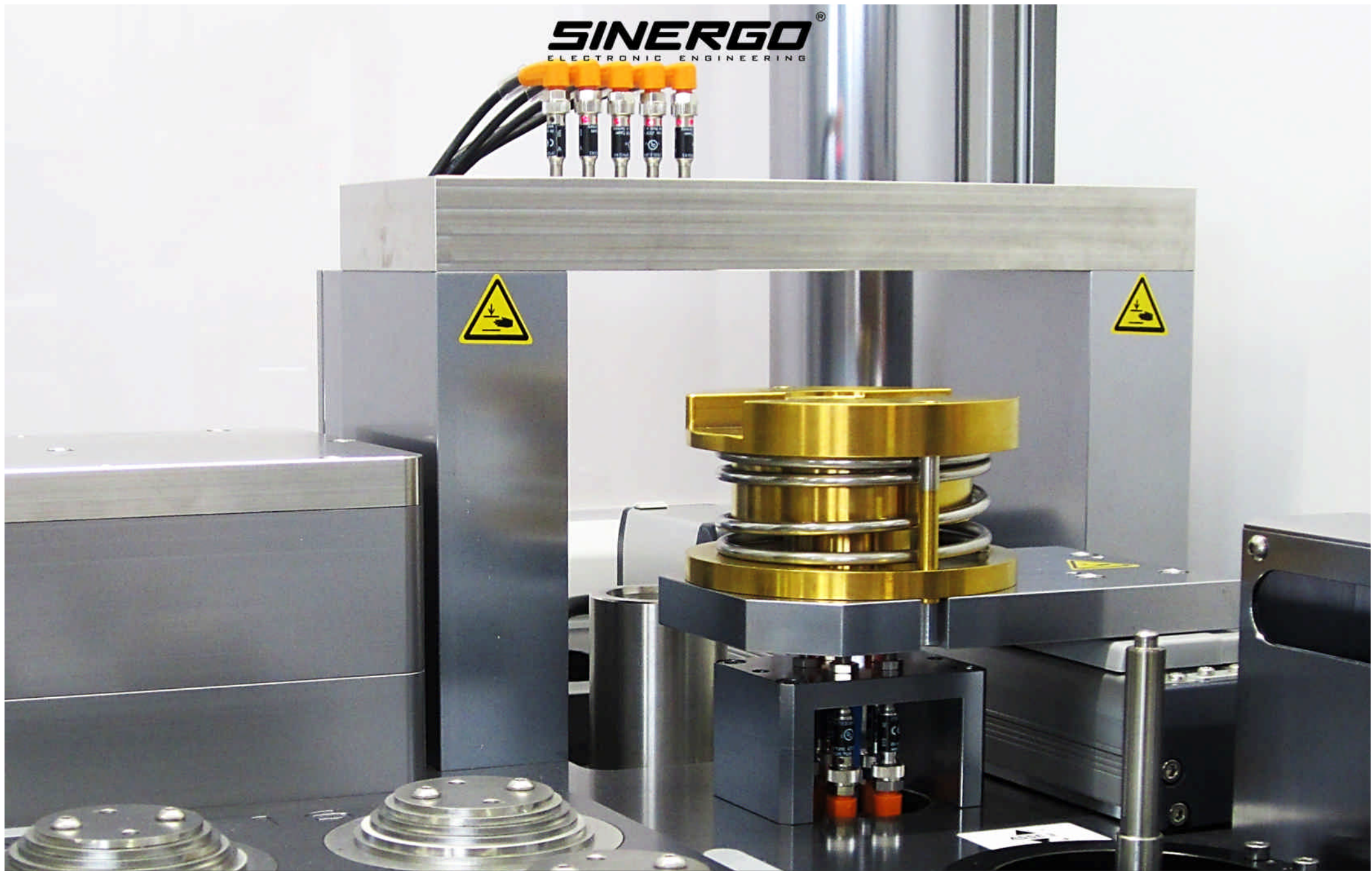
PACKAGING (ROBOTICS)



ODD COMPONENTS PICK & PLACE



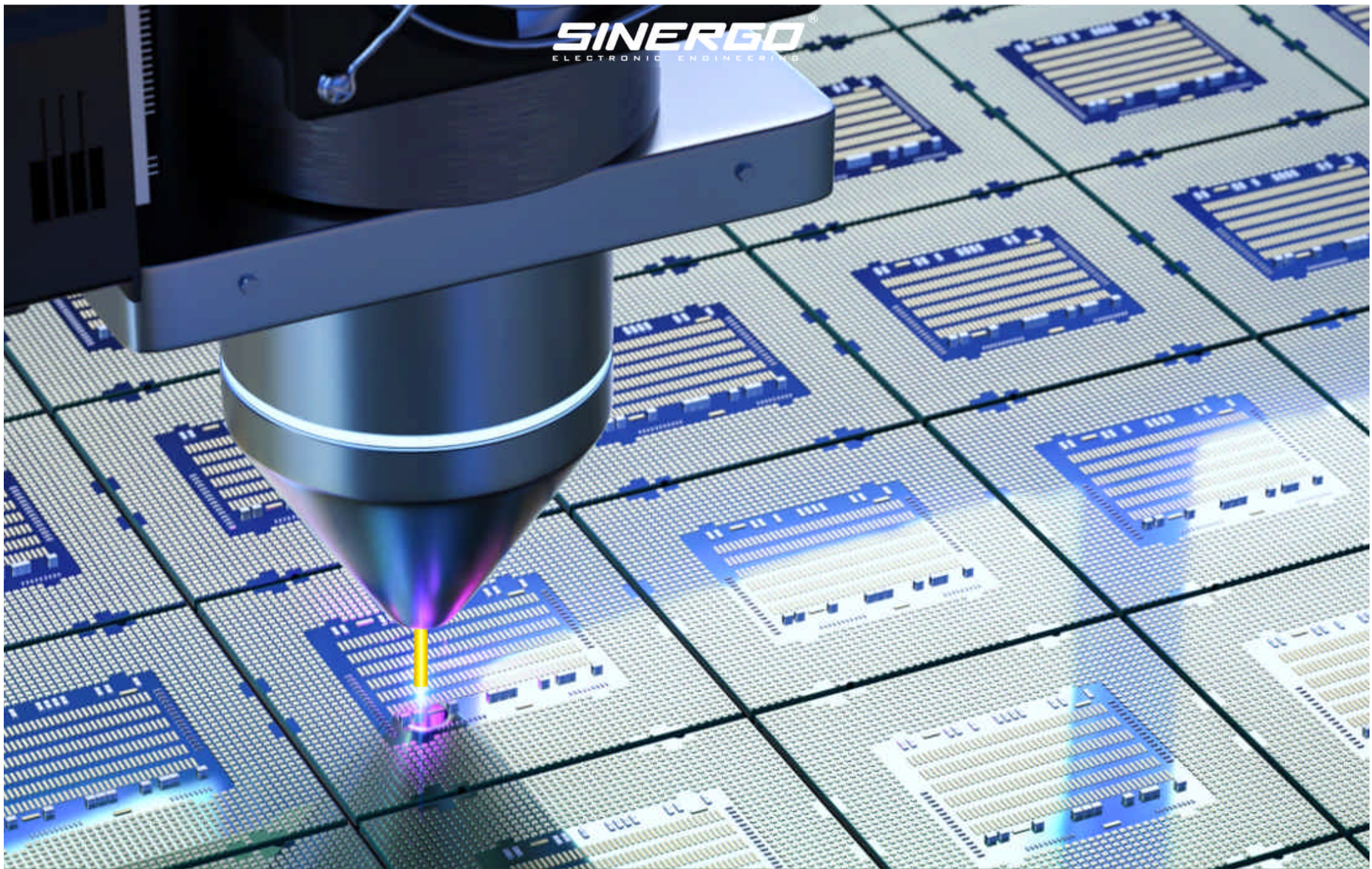
DISPENSING GASKETING POTTING



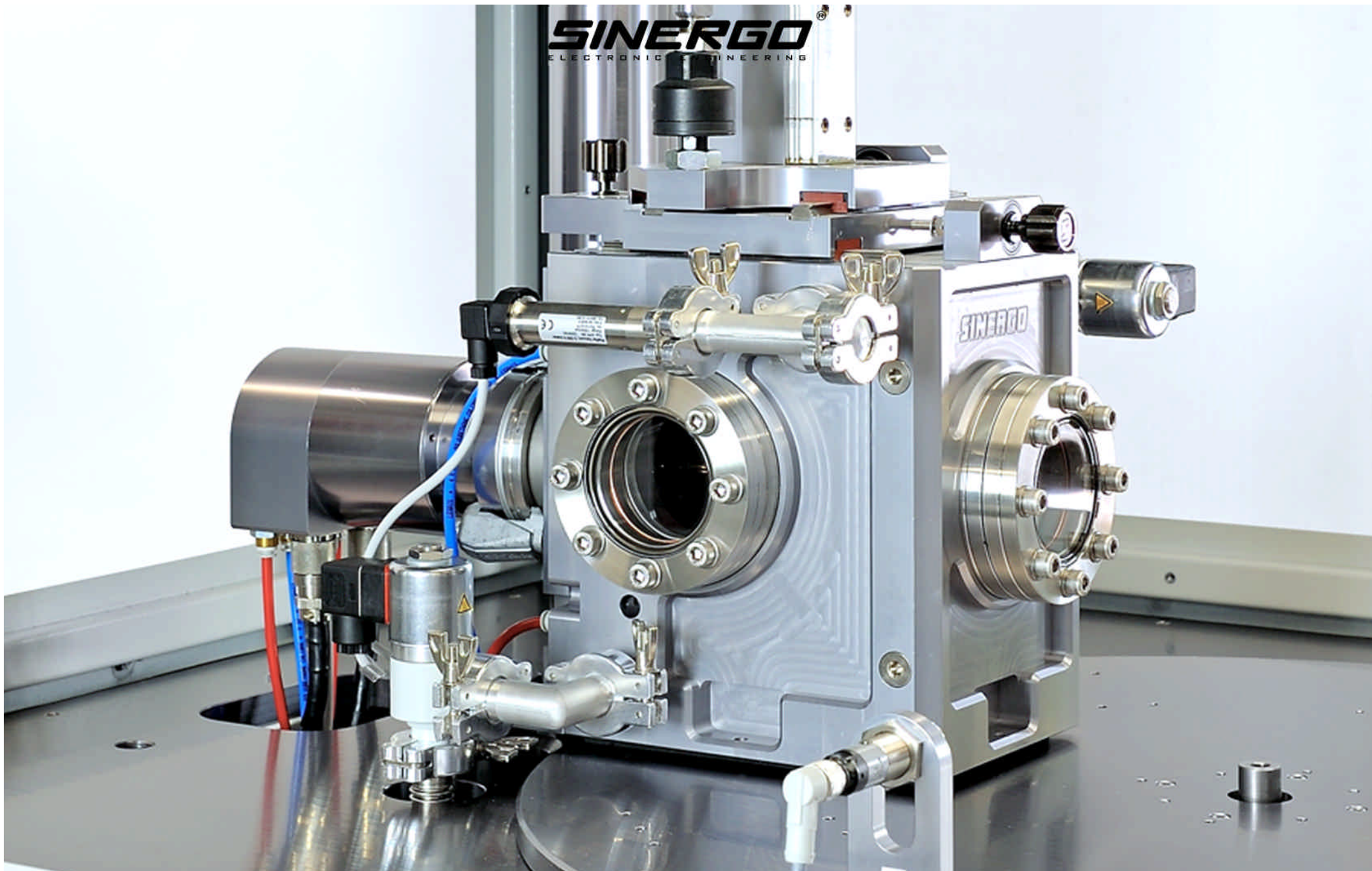
MEDICAL EQUIPMENT



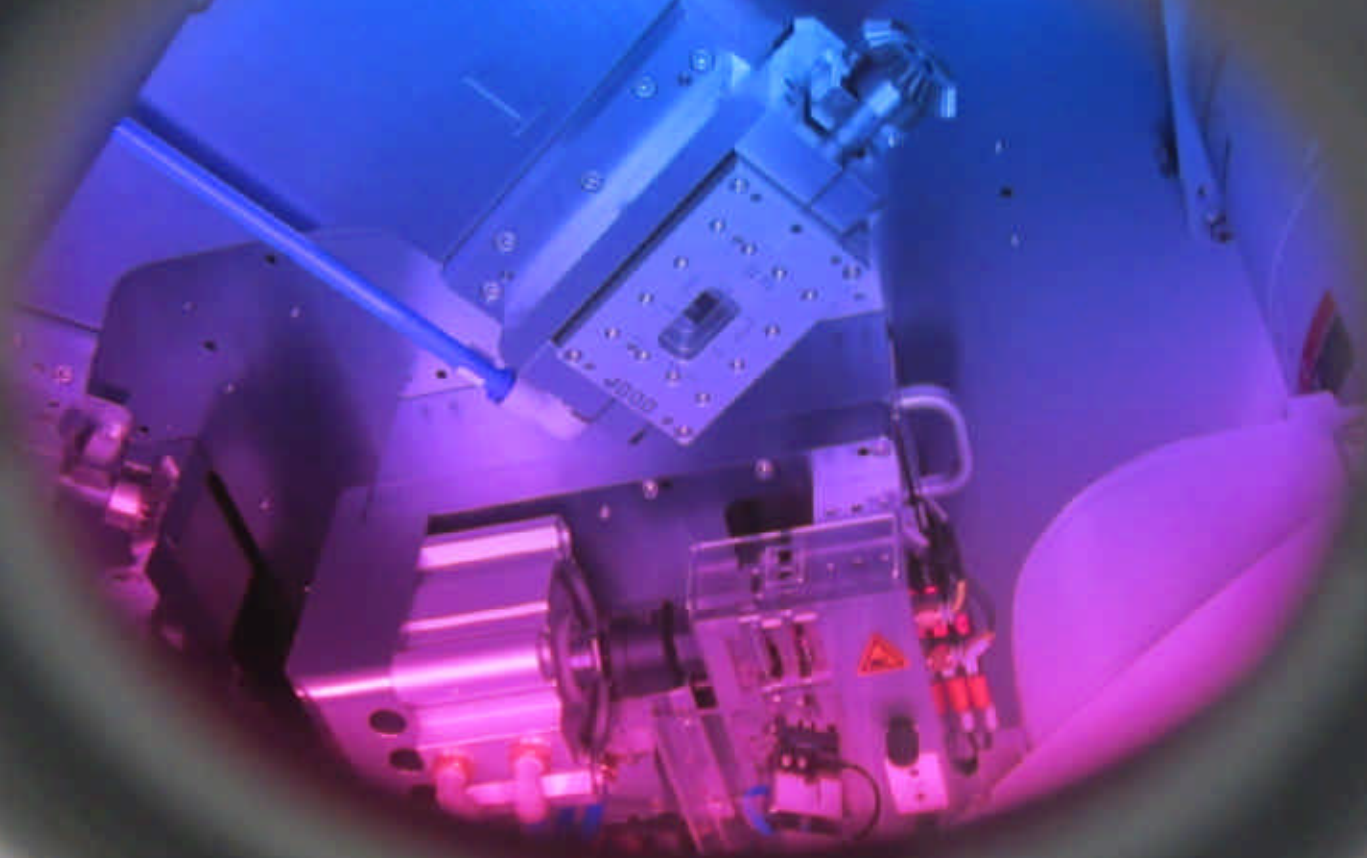
COMPOSITES INDUCTION WELDING



TESTERS FOR SEMICONDUCTORS



DEFENCE INDUSTRY EQUIPMENT

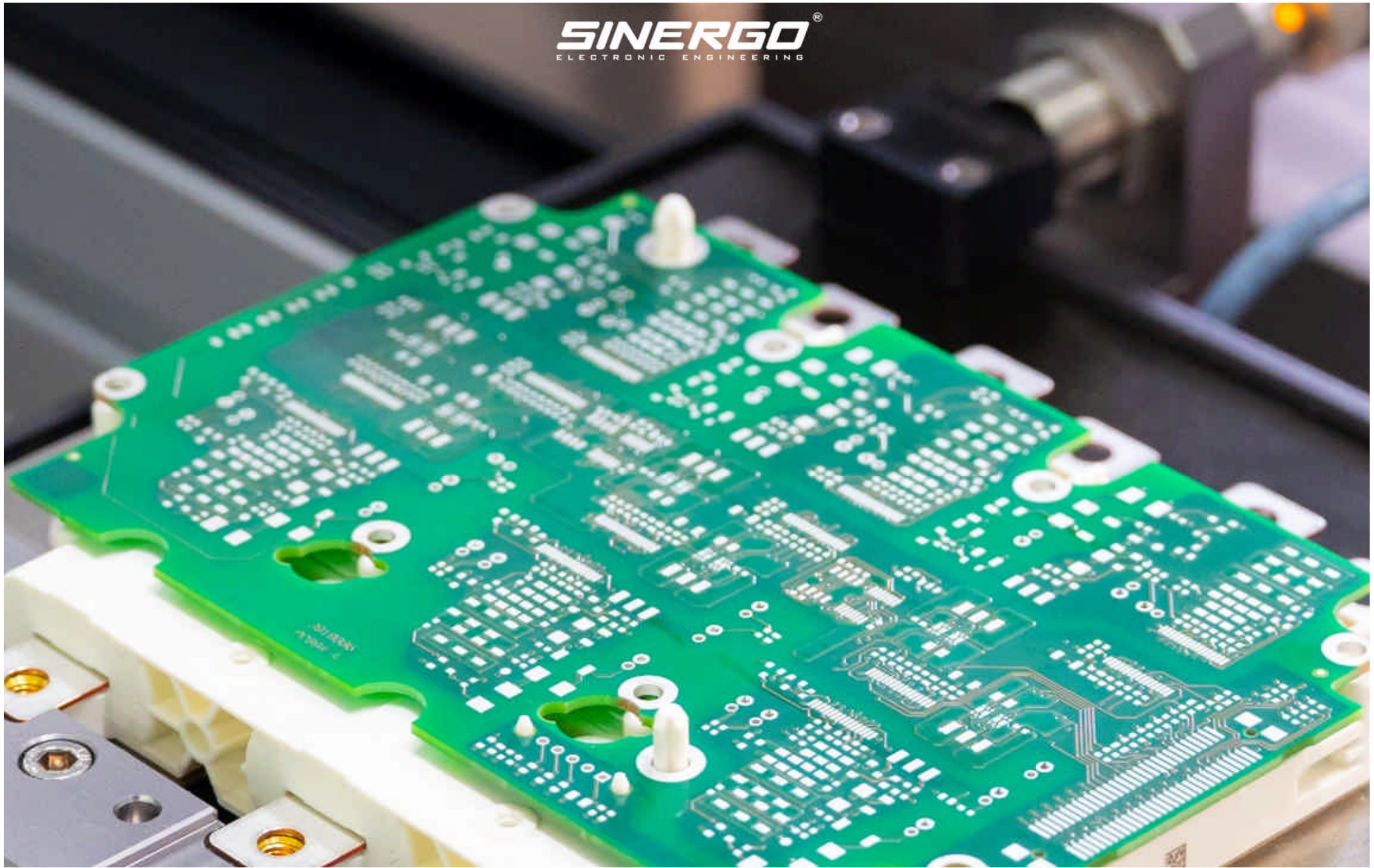


PRECISION SHAPING & CUTTING MOLDS

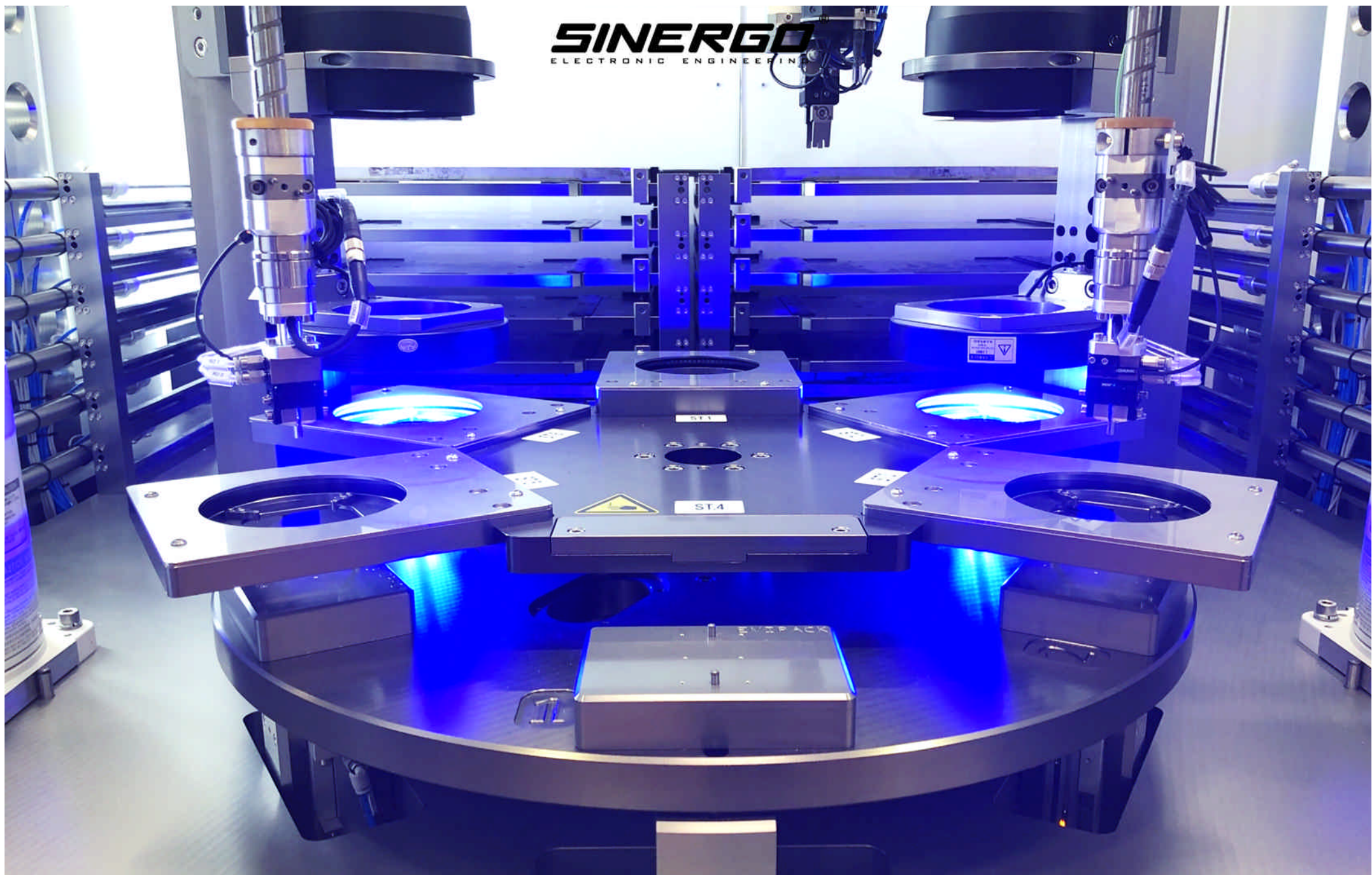


FIELDS OF APPLICATION

Electronics
Power semiconductors
E-mobility
Automotive
Sensors
Aeronautics
Defence & Space
Medical & pharma
Jewellery and luxury
Precision mechanics
Nuclear
Photovoltaics



ELECTRONICS



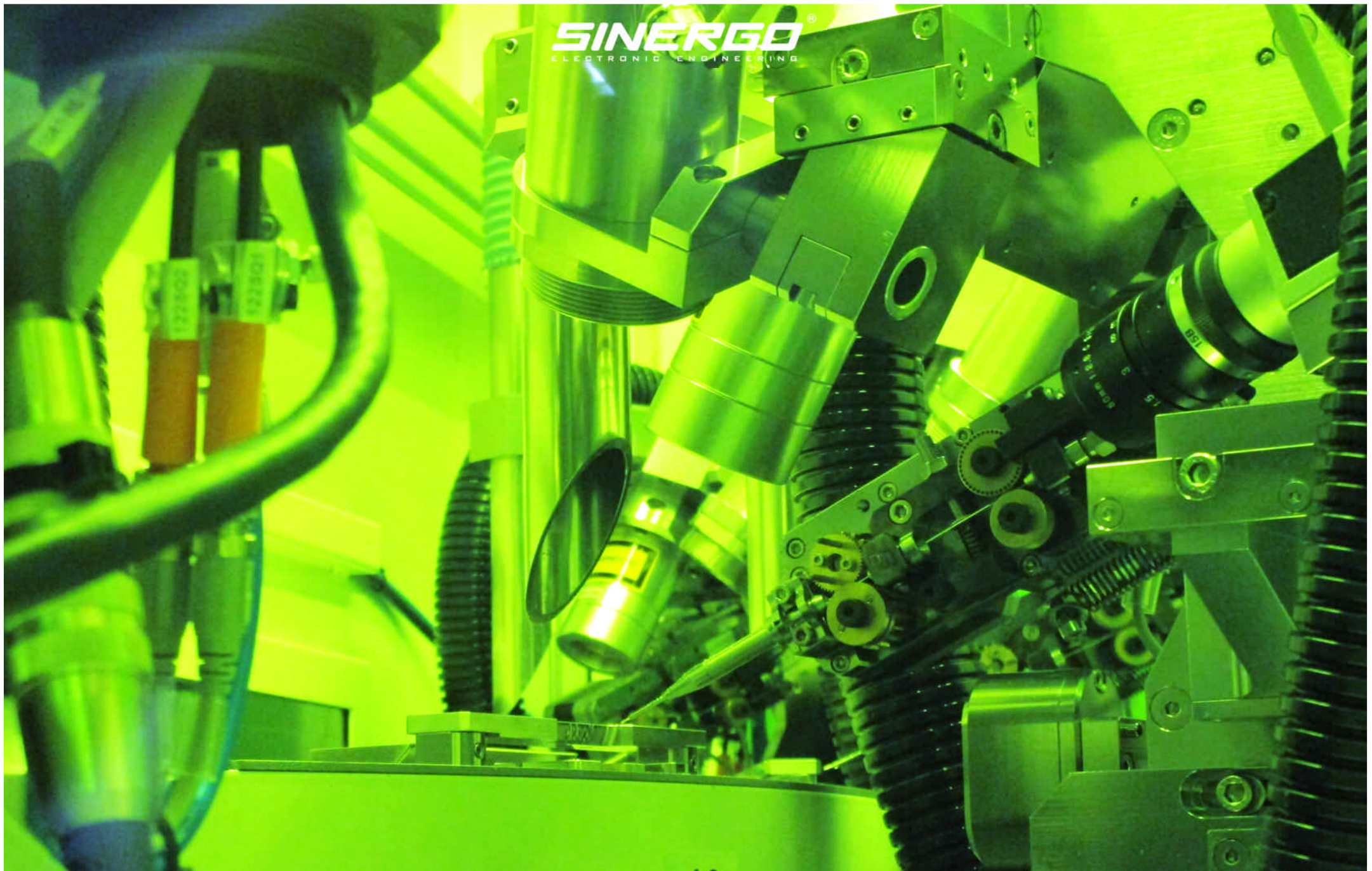
POWER SEMICONDUCTORS



E-MOBILITY



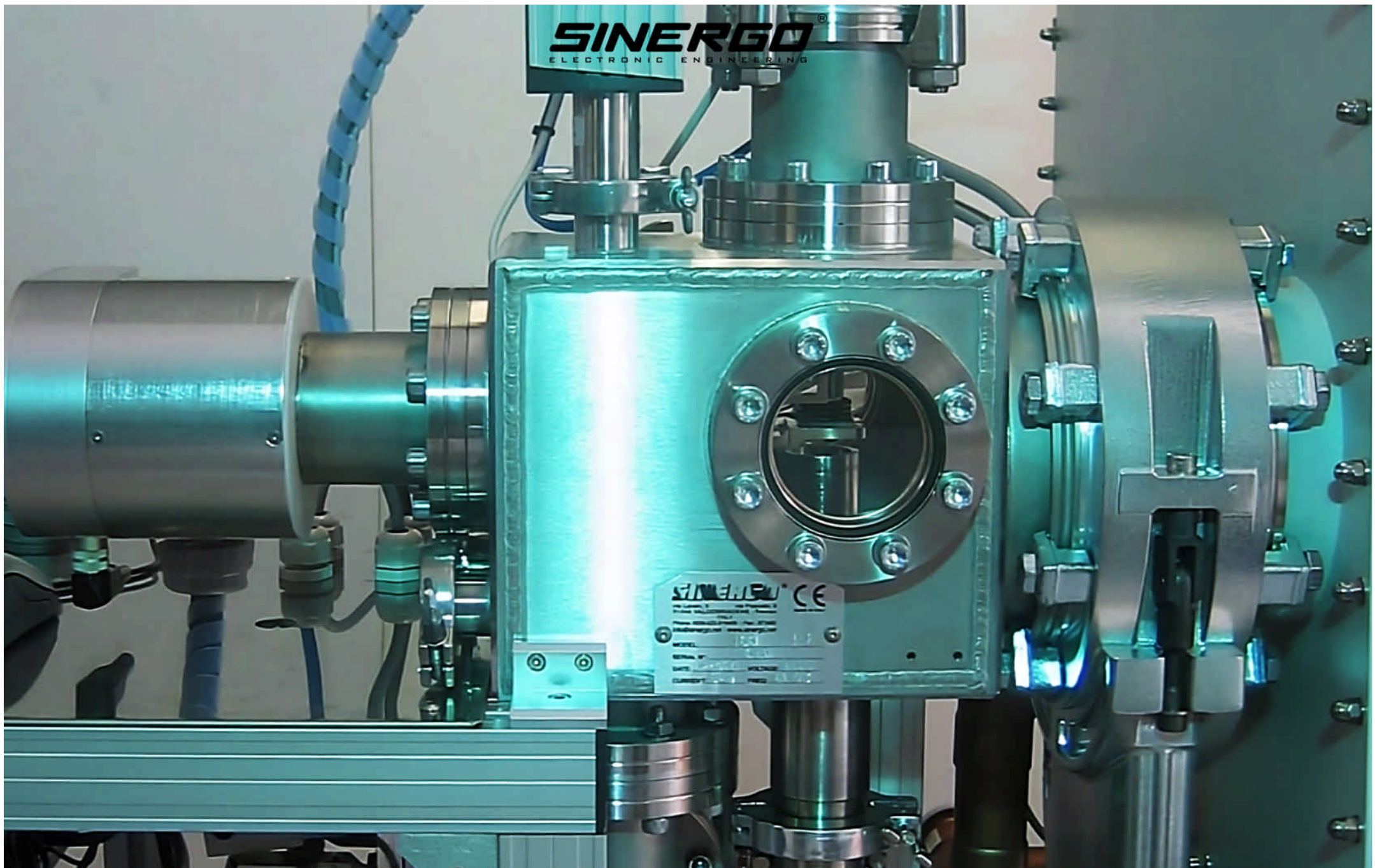
AUTOMOTIVE



SENSORS & GAUGES



COMPOSITES INDUCTION WELDING



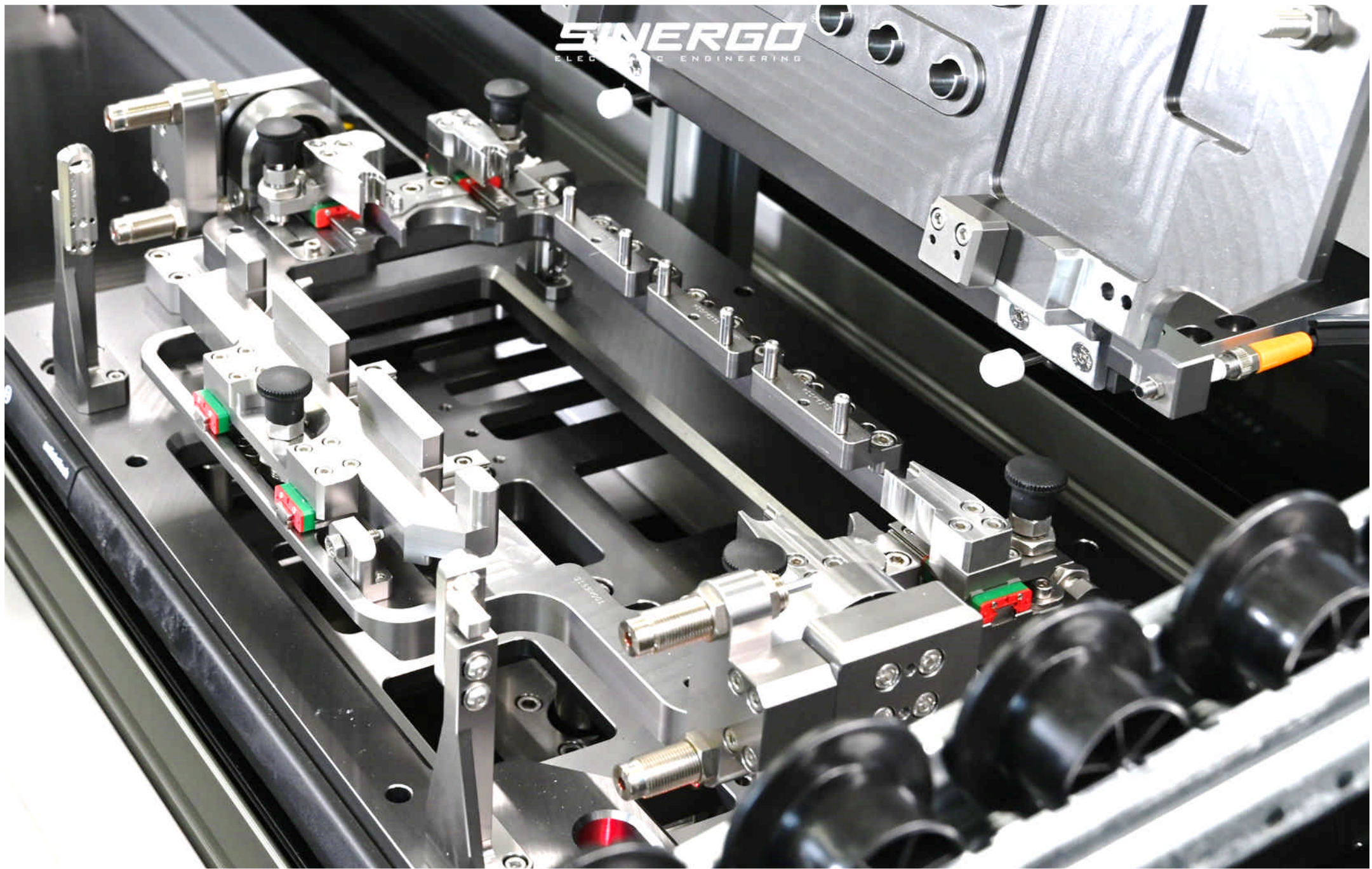
DEFENCE & SPACE



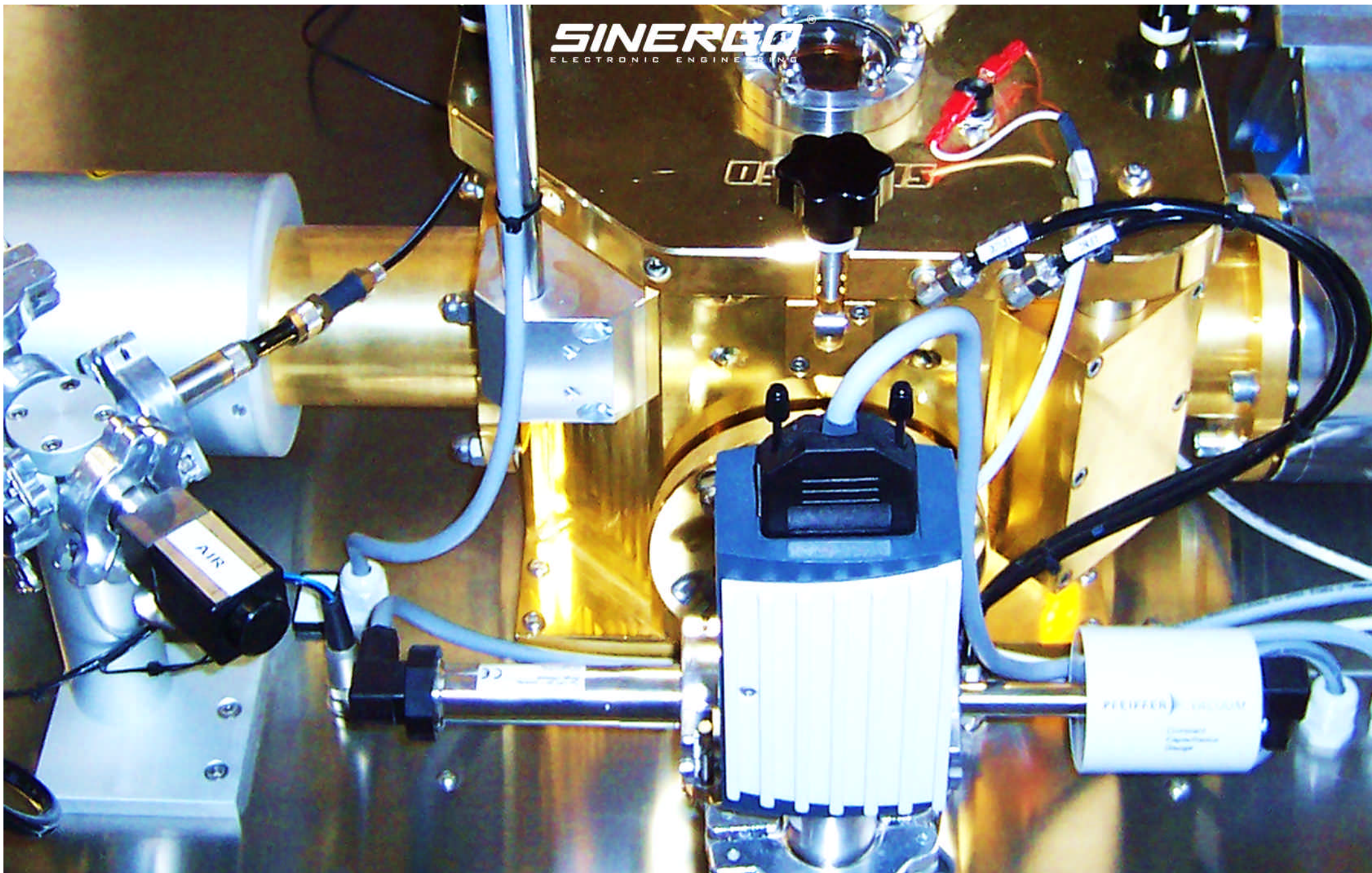
MEDICAL & PHARMACEUTICS



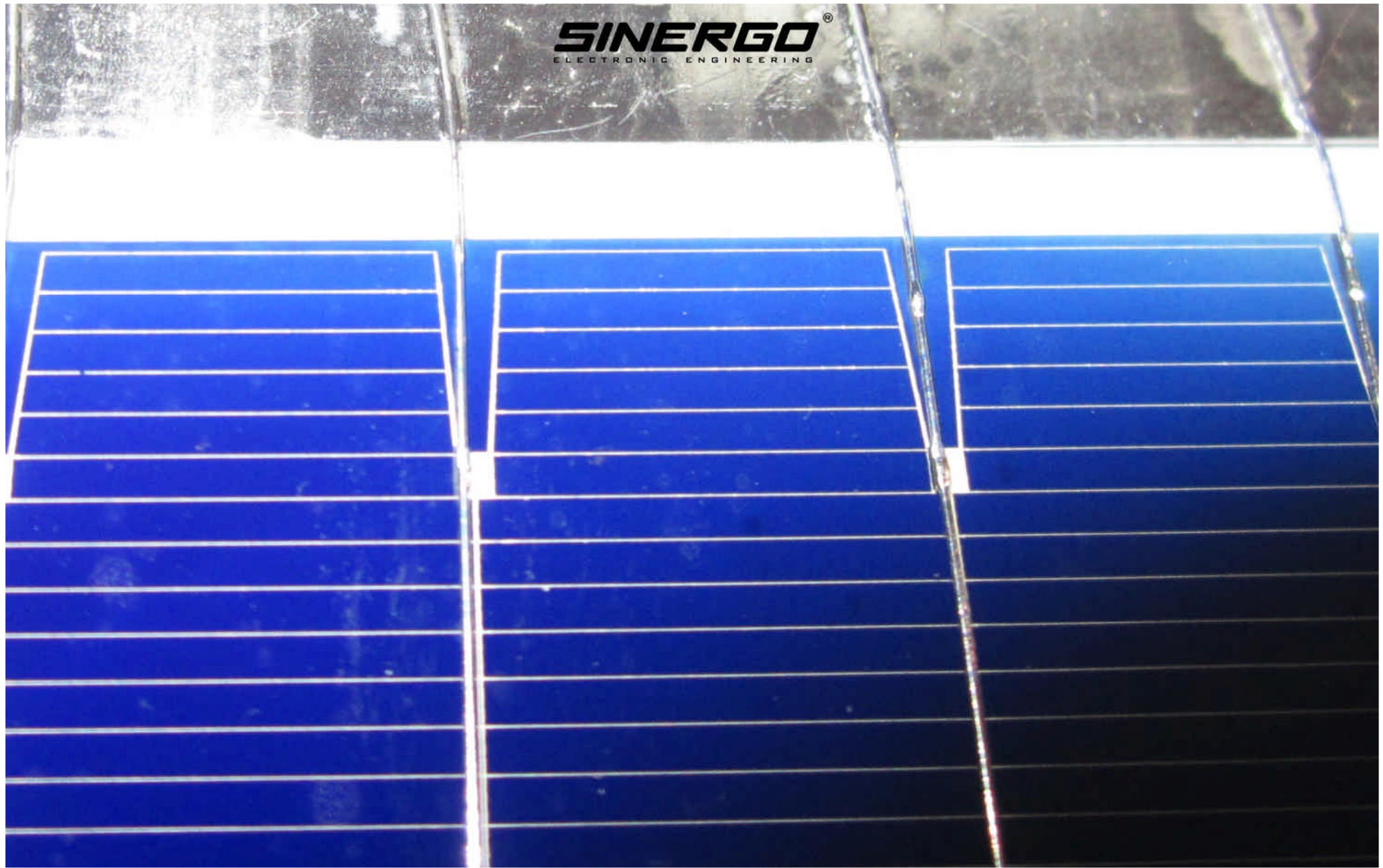
JEWELLERY & FASHION



PRECISION MECHANICS



NUCLEAR INDUSTRY



PHOTOVOLTAICS

WORLDWIDE



