

**NISSOY**  
**EMS**

**"Advanced Electronic Solutions for  
Modern Industrial Automation"**



Nissoy S.A. was established in 2006 and is a Greek Electronic Manufacturing Services provider.

Since 2010 the company moved to its new headquarters of 600m<sup>2</sup> un Katerini, where carefully selected equipment have been installed in order to evolve in the Greek and foreign markets.

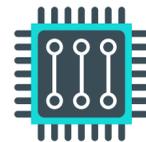
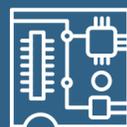
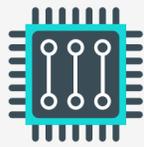
Utilizing the long term know how of ots owner and founder, Nissoy S.A. is capable of meeting and supporting in the most efficient way its customer's needs.

# PRODUCTS & SERVICES



NISSOY S.A. is a leader in the field of Printed Circuit Board Assembly (PCBA), with a steadfast commitment to providing high-quality services to our clients. With years of experience, we blend technological innovation with expertise to meet the needs of the contemporary world of electronics manufacturing.

# OUR SERVICES



## PCB ASSEMBLY

NISSOY S.A. specializes in SMT & THT material assembly with superior expertise and strict quality controls. Our 4 SMT and THT production lines are characterized by the continuous adoption of the most advanced technologies in PCBA, achieving a high degree of automation.



## CABLE ASSEMBLY

Our services include the assembly of cables customized to your needs, ensuring reliability and performance.



## PROGRAMING AND TESTERS

We provide programming and testing services to ensure the safe and effective operation of your products.



## BOX BUILD ASSEMBLY

We specialize in the assembly and completion of full systems (Box Build), offering comprehensive solutions for your projects.



## WAREHOUSING & LOGISTICS

We have a modern and secure (ESD SAFE) storage and logistics system, ensuring the smooth flow and management of your products.

# Production Lines SMT

## Automatic SMT Production Lines :

We have 4 automatic SMT production lines for precision and efficiency, with the capability to handle prototypes as well as serial production.

Our state-of-the-art production machinery is the 2023 model, ensuring the latest technology and advancements in SMT assembly.

## MAXIMUM PANEL SIZE

400mm x 400mm, allowing the production of large-sized electronic boards.

## COMPONENT TYPES:

Chip, MELF, SOT, SOIC, TSOP, PLCC, QFP, BGA, LCC, covering a wide range of requirements.

## FOOTPRINT SIZE:

01005, micro BGA, fine pitch packages.

# THT Production Lines

## Automatic Assembly PCB :

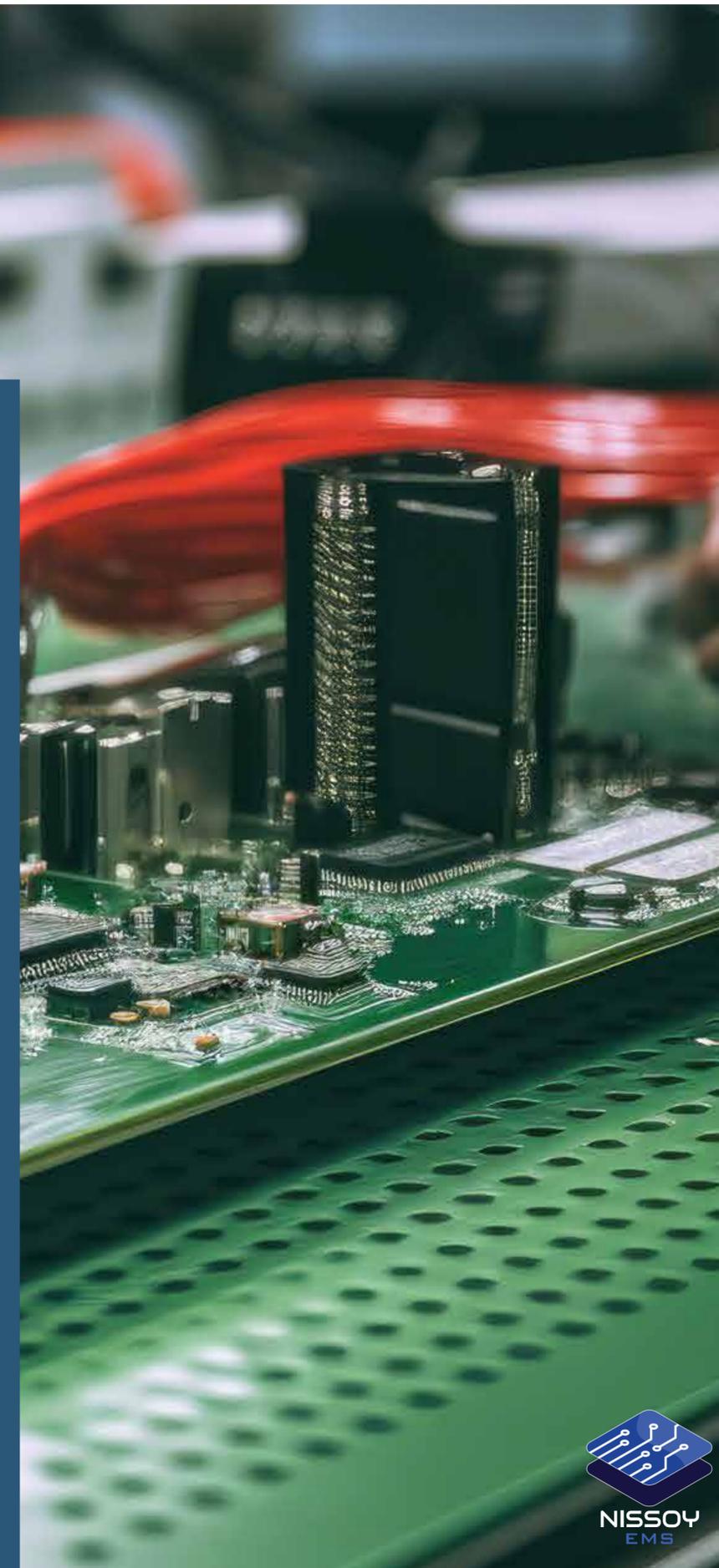
Automatic assembly of PCB boards with precision and reliability.

## WAVE SOLDER:

Wave solder technology ensures uniform and reliable soldering of THT components.

## SOLDER POGO PINS:

Specialized soldering process for Pogo Pins, ensuring exceptional stability and performance.



# Production Lines Cables:

## Measurement, Cutting and Shaping of Cables: :

We use advanced equipment for precise measurement, cutting, and shaping of cables according to specifications.

## Stripping and Insulation Removal of Cables:

We achieve precise stripping and insulation removal of cables for safe and reliable use.

## RoHS-Compliant Harnessing:

We use materials that comply with RoHS standards for environmental protection and safety.

## Assembly of Various Connectors:

Our team specializes in assembling various types of connectors, ensuring secure connections.

## Automatic Optical Inspection:

Our assembly line is equipped with automatic optical inspection for quality assurance.

# Quality Control Lines

## Visual Inspection with Microscopes:

We use microscopes for precise and detailed visual inspection of our products.

## 2D AOI & 3D AOI

We apply advanced Artificial Intelligence (AI) techniques for automatic optical inspection of Surface Mount Technology (SMT) and Through-Hole Technology (THT) materials, utilizing both 2D AOI and 3D AOI technologies.

## Functional Testing of Boards & Integrated Products:

We conduct functional testing on both boards and integrated products to ensure their safety and performance.



# Our Industrial Solutions:

## Integrated Product Assembly:

We combine multiple processes to create integrated and fully functional products.

## PCB and Wiring Connection:

Ensuring secure and effective connections between PCBs and wiring.

## Programming:

Providing programming services to ensure the efficient operation of products.

## Functional Testing:

Conducting functional tests to enhance performance and reliability.

# Materials Management:

## *ESD Protected Area*

### Raw Material Procurement:

We combine multiple processes to create integrated and fully functional products.

### Raw Material Inspection:

Ensuring secure and effective connections between PCBs and wiring.

### Inventory Management:

Efficient management of inventory to optimize production processes.

### Traceability Marking:

Providing programming services to ensure the efficient operation of products.

### Specialized Material Storage: (Dry Storage)

Conducting functional tests to enhance performance and reliability.

### Pre-Bake:

Pre-baking processes to prepare materials for manufacturing.



## Additional Processes:

### Coating of Products and Boards:

- Sealing Materials
- Application of Peelable Mask on Boards
- Product Encapsulation

### PCB Washing:

Thorough cleaning of printed circuit boards to ensure optimal performance.

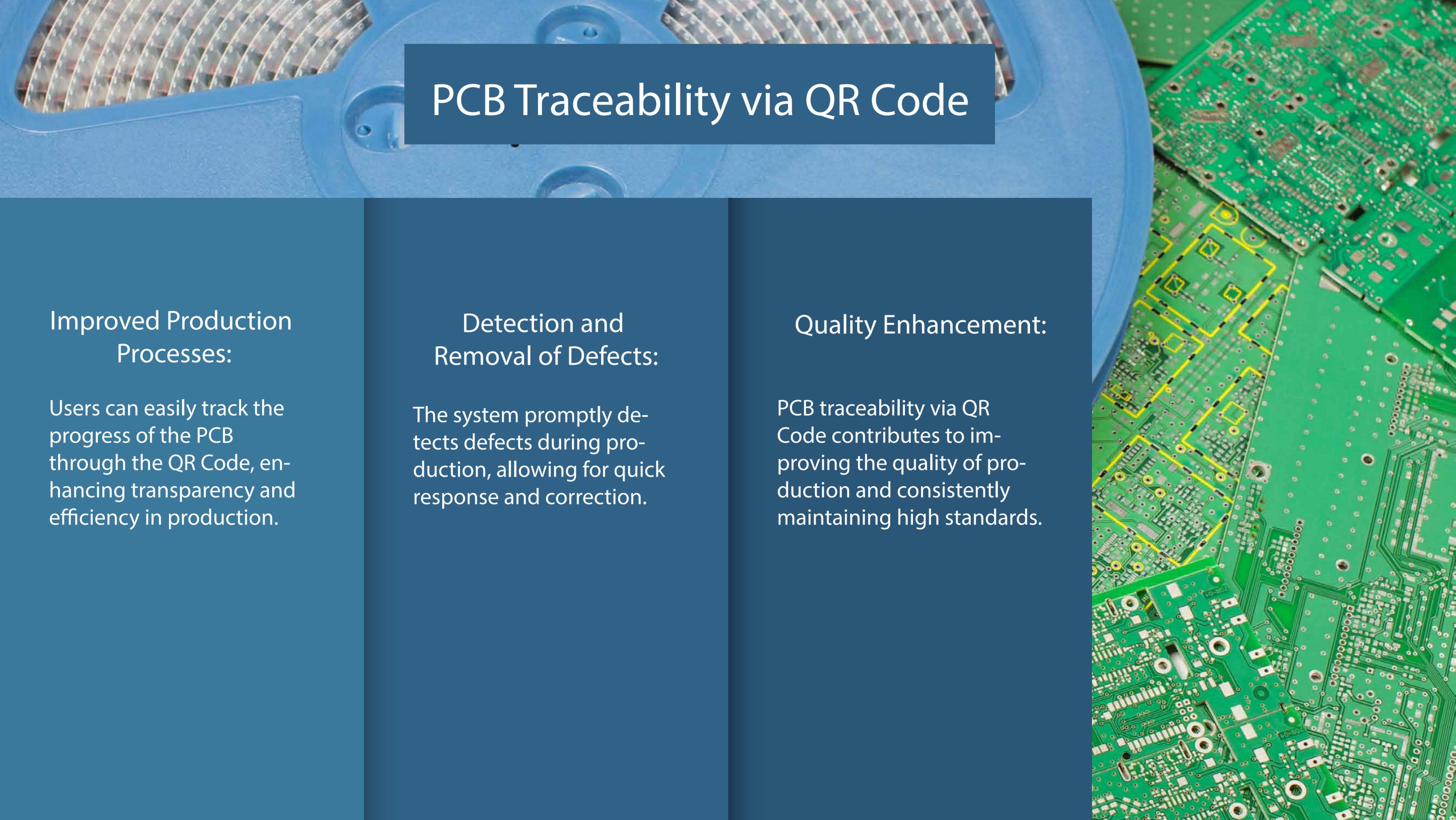
### Depaneling:

Precision cutting and separation of individual boards from larger panels.

### Product Repairs

Expert repairs and troubleshooting of products to extend their lifespan.

Utilization of automated machinery for Surface Mount Technology (SMT) rework, ensuring efficient and precise corrections.

The background of the slide is a composite image. The top left shows a blue, circular PCB manufacturing mold with several circular cavities. The right side and bottom right show a green PCB with intricate circuit traces and several yellow rectangular markings, likely indicating defects or areas of interest. A dark blue horizontal bar is positioned at the top, containing the main title.

# PCB Traceability via QR Code

## Improved Production Processes:

Users can easily track the progress of the PCB through the QR Code, enhancing transparency and efficiency in production.

## Detection and Removal of Defects:

The system promptly detects defects during production, allowing for quick response and correction.

## Quality Enhancement:

PCB traceability via QR Code contributes to improving the quality of production and consistently maintaining high standards.

# Logistics

## Custom Packaging Solutions:

We provide customized packaging solutions tailored to each customer's specific requirements.

## ECO FRIENDLY Packaging Solutions:

We embrace eco-friendly packaging solutions to reduce environmental impact.

## Hybrid Shipping:

We offer hybrid shipping solutions ensuring secure and efficient transportation of products.

# OUR STANDARDS:

# DEDICATION TO HIGH QUALITY IN THE WORLD OF PCBA



We are committed to providing high-quality Printed Circuit Board Assembly (PCBA) services that deliver superior value to our customers. Quality is at the core of our philosophy, and we strive for continuous improvement and exceeding expectations.



### ISO CERTIFICATION

We are fully complies with ISO standards, ensuring that all processes and services we provide meet the highest quality standards.

### EURO CERT

Holds EURO CERT certification, confirming our adherence to European standards. We are dedicated to delivering services that meet the strict requirements of the European market.

### ESD SAFE

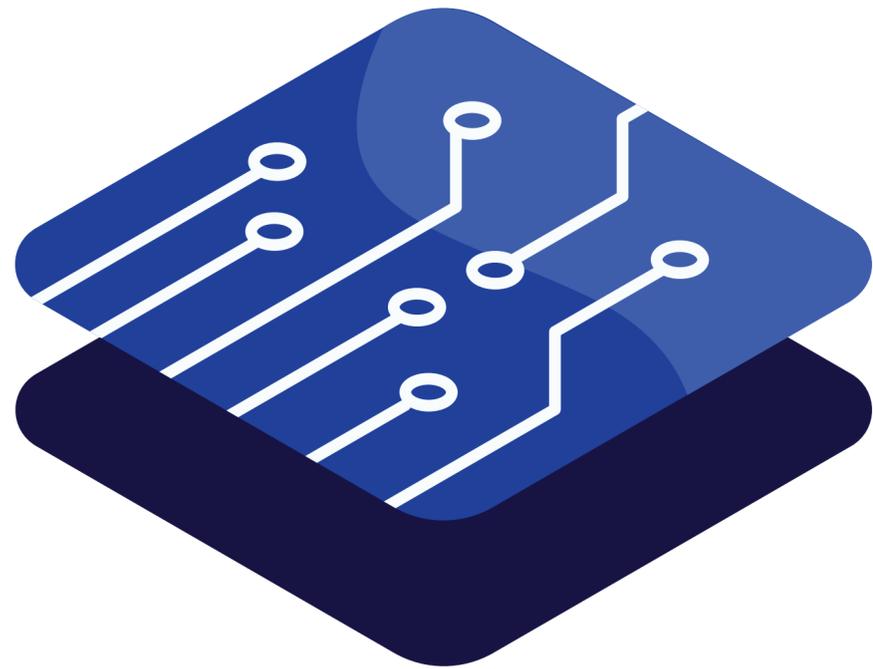
### (ELECTROSTATIC DISCHARGE SAFETY)

Our facilities and processes are designed according to ESD SAFE standards, ensuring that our work is safe and protected from any issues related to electrostatic discharge.

### ROHS COMPLIANCE

We are proud to adhere to the RoHS standard, ensuring that our processes and products are environmentally friendly and free from hazardous substances.





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