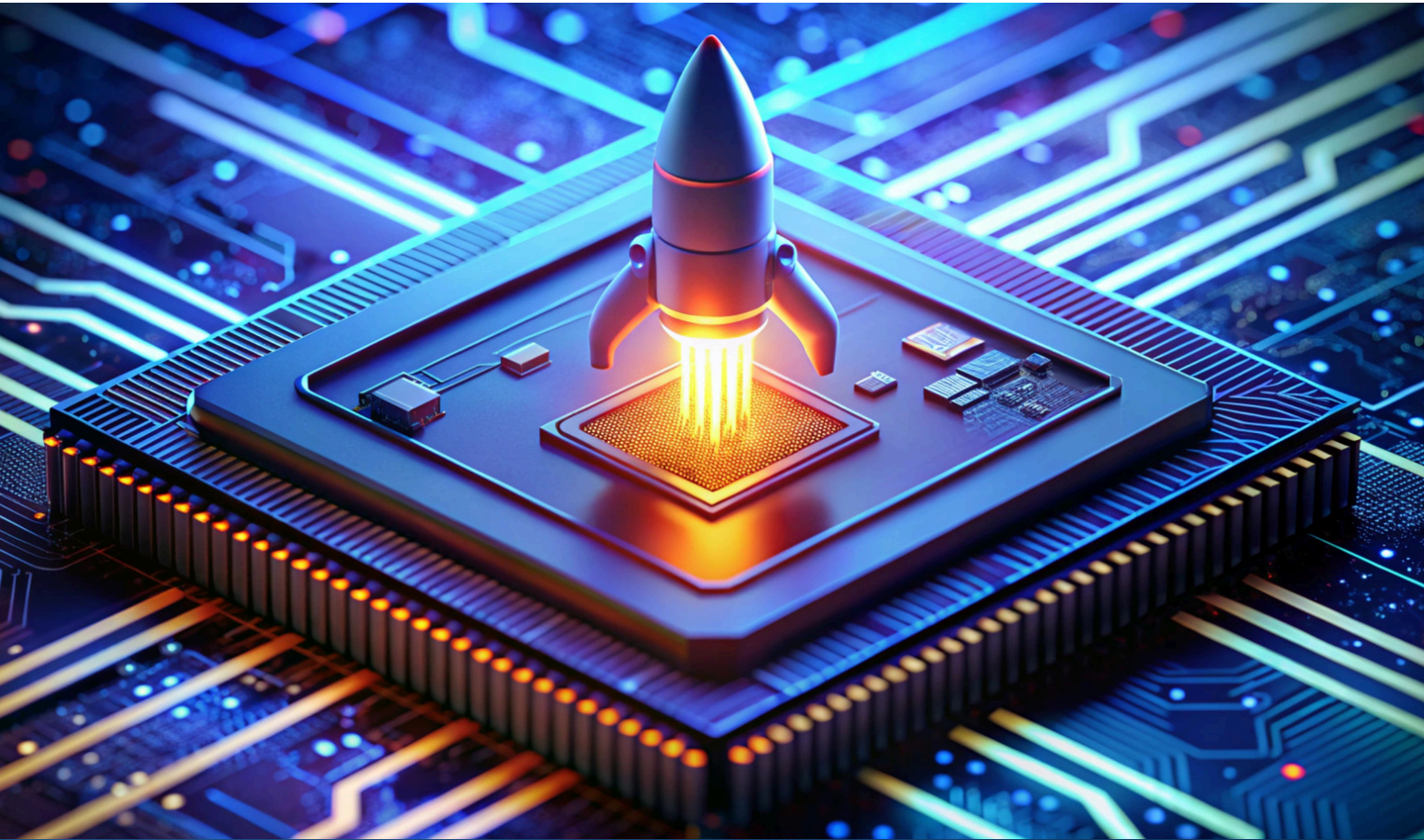






# VR TECHNOLOGIES

## COMPANY PROFILE



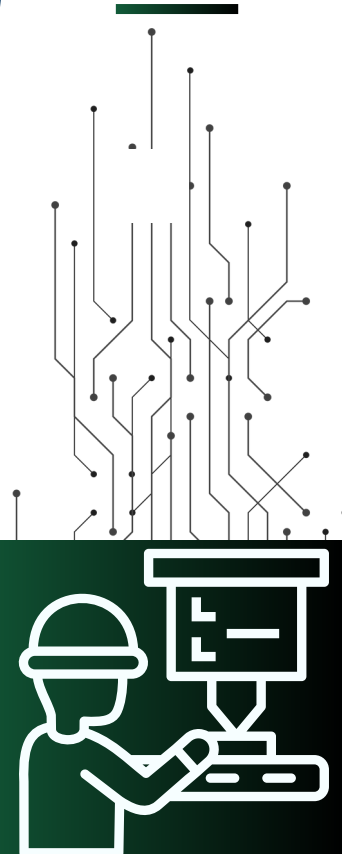
 [www.vrtechnologiesgroup.com](http://www.vrtechnologiesgroup.com)  
 [sales@vrtechnologiesgroup.com](mailto:sales@vrtechnologiesgroup.com)



**Electronics Product Design &  
Manufacturing Experts In  
BENGALURU.**

Your trusted partner for PCB design, SMT assembly, embedded systems, and turnkey electronics across industries like defense, medical, and avionics.

# About Our Company



VR Technologies, established in 2020, is an innovative company specializing in Electronic Design and Manufacturing Services (EDM). Our expertise lies in designing, manufacturing, and assembling high-quality electronic components and systems.

With cutting-edge facilities and a team of enthusiastic engineers and technicians, we provide end-to-end solutions to meet the increasing expectation of clients across various industries.

VR Technologies has swiftly gained recognition for its unwavering commitment to quality, advanced technology and customer satisfaction. Our focus on agility, responsiveness, and adaptability enables us to offer a comprehensive range of electronic design and manufacturing services tailored to our clients evolving needs.



# Vision

At VR Technologies, our vision is to be a catalyst for transformative innovation in electronic products, bringing concepts to reality. We envision a future where the seamless integration of design and manufacturing processes delivers unmatched efficiency, exceptional quality, and groundbreaking advancements, empowering our clients to lead in their industries and create meaningful impact worldwide.

# Mission

- 01 Empowering Innovation through Precision Manufacturing: Our mission is to leverage our expertise, experience, resources, advanced technologies and a commitment to continuous improvement to enable our clients to achieve their vision and make a positive impact on the world through innovative electronic products and solutions.
- 02 Our commitment lies in offering comprehensive electronic manufacturing and design services that consistently exceed expectations. As the preferred partner solutions, for companies seeking end-to-end we streamline the entire product development lifecycle, ensuring faster time-to-market. We are dedicated to nurture creativity, optimize efficiency, and achieve excellence across all dimensions of our services, and empower our clients to transform their ideas into realities.



# FULLY Automatic

## ASSEMBLY SMT LINE



AUTOMATIC MSE/SPI  
ONLINE FUNCTION



YSM 20R  
95,000CPH



MA - 800



# SEMI Automatic

## ASSEMBLY SMT LINE



5-10 SEC CYCLE TIME

**SAP 26L**

SOLDER PASTE PRINTER

MOUNT FINE PITCH 0201



BGA ASSEMBLY

**SMT 880**

15,000CPH



TEMPERATURE  
ACCURACY  $\pm 1^{\circ}\text{C}$

**RF635LS**

# PRE Production

## DRYZONE STORAGE & BAKING

DRY CABINET

DEHUMIDIFIER



PCB BAKING OVEN



STORAGE



ONLINE SOLAR PCU



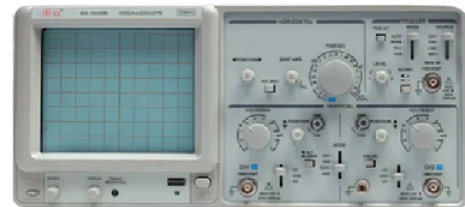
# POST Production

## TESTING, INSPECTION , & BGA REWORK

AUTO FOCUS



DIGITAL MICROSCOPE



OSCILOSCOPE



BGA REWORK



3D AUTOMATION (AOI)

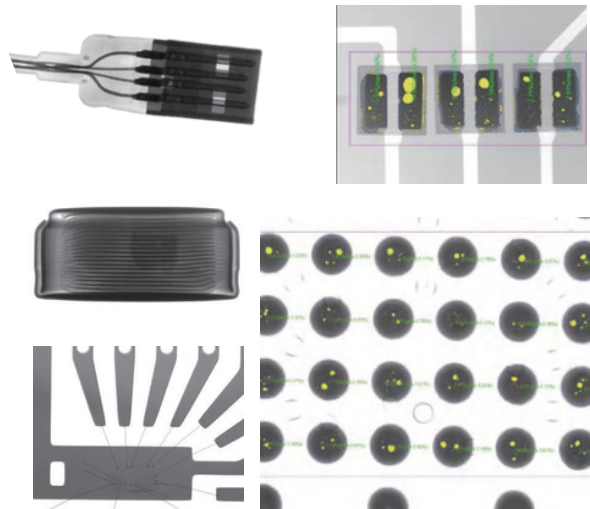
INSPECTION PROCEDURE:  
2D, 2.5D, 3D AOI, 3D SPI

# POST Production

## X-RAY INSPECTION



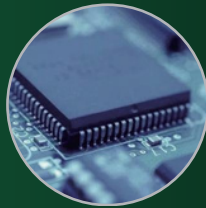
X - RAY INSPECTION EQUIPMENT



### Application Fields



SMT/PCBA  
Inspection



Semiconductor  
Inspection



Lithium Batteries  
Inspection

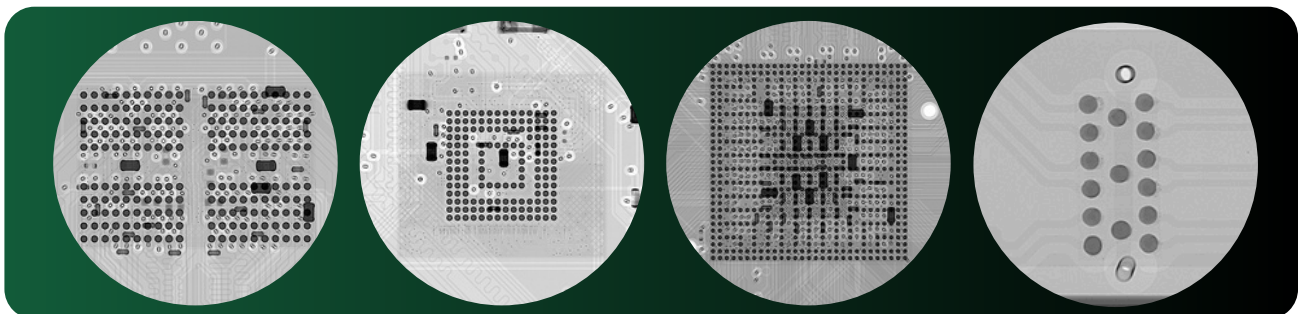


LED  
Inspection



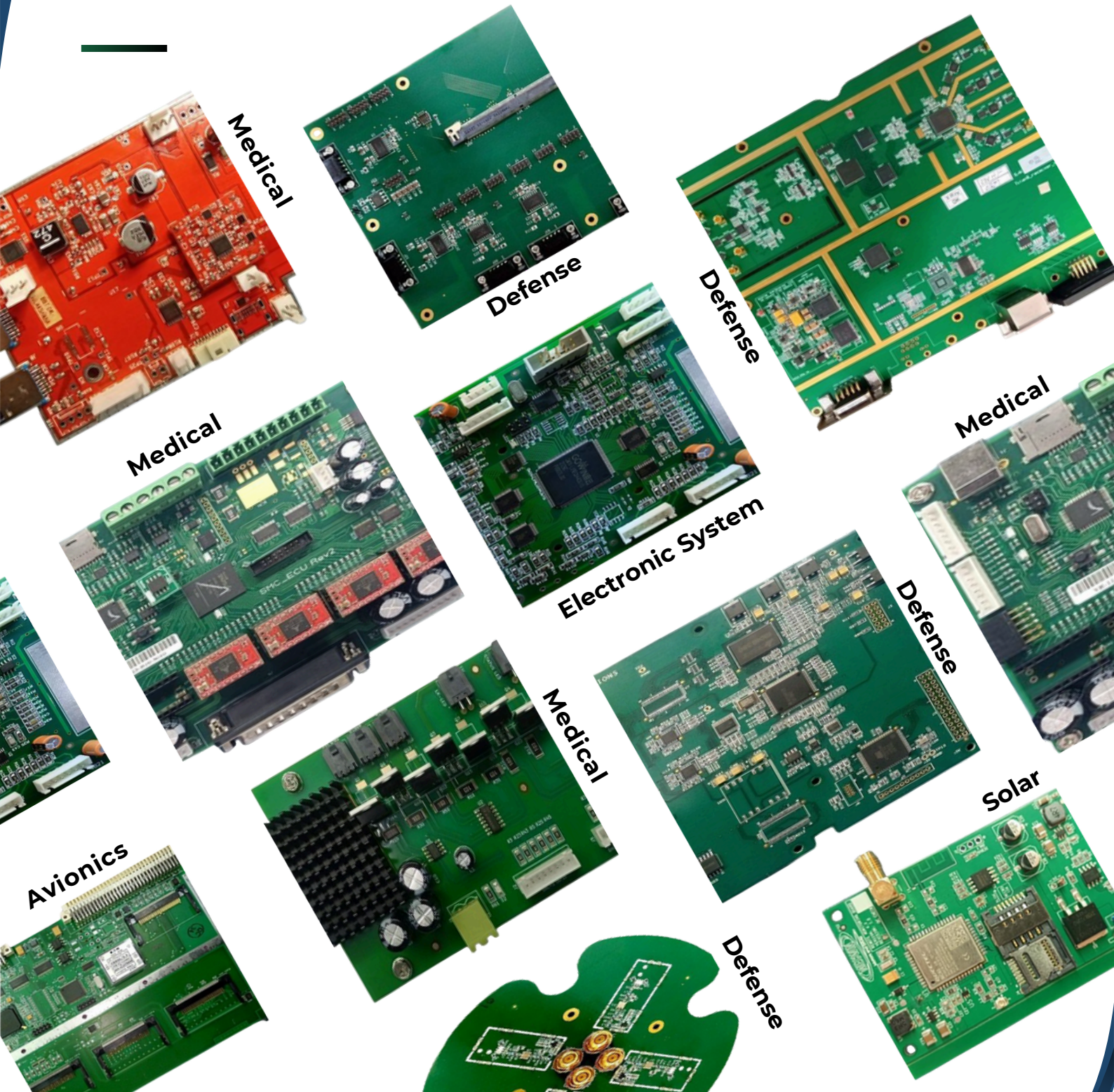
Photovoltaic  
Inspection

### Inspection Images



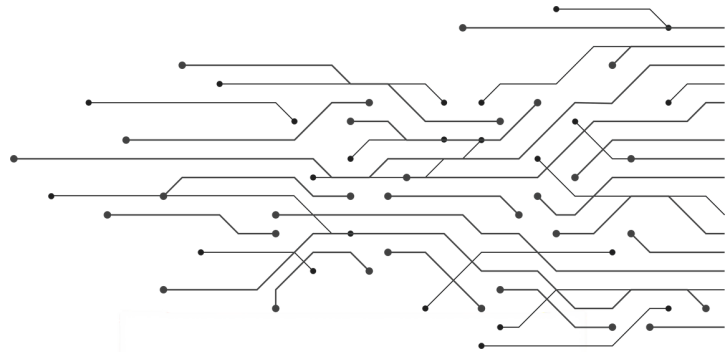
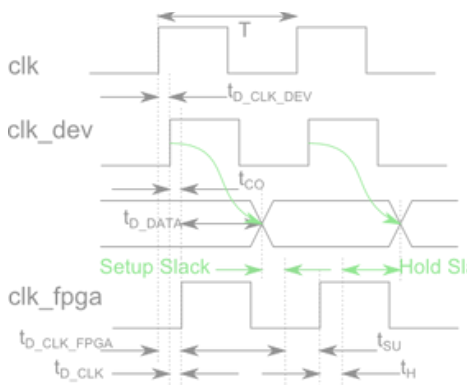


# PRODUCTION PCBs



# DESIGN Capabilities

CONCEPT TO REALITY

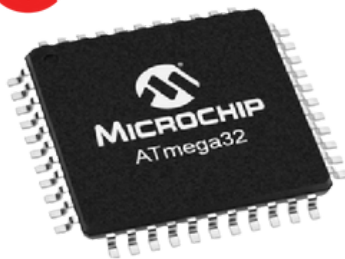


DESIGN  
SCHEMATIC  
GERBER  
FIRMWARE

XILINX

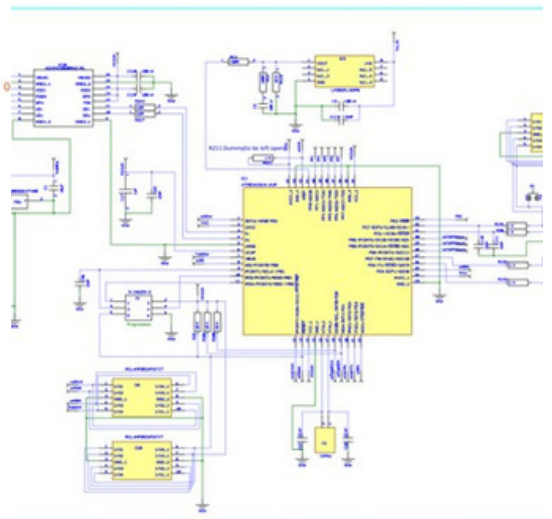


MICROCHIP



MICROCONTROLLER

```
signal clk_counter : natural range 0 to 50000000 := 0;
signal counter : natural range 0 to 10 := 0;
begin
  process(clk)
  begin
    if rising_edge(clk) then
      clk_counter <= clk_counter + 1;
      if clk_counter >= 50000000 then
        clk_counter <= 0; --500ms delay
        counter <= counter + 1;
        if counter >= 9 then
          counter <= 0;
        end if;
      end if;
    end if;
  end process;
  process (counter)
  begin
    case (counter) is
      when 0 => segment <= "0000001"; --0
      when 1 => segment <= "1001111"; --1
      when 2 => segment <= "0010010"; --2
      when 3 => segment <= "0000110"; --3
      when 4 => segment <= "1001100"; --4
    end case;
  end process;
end;
```





# FACILITY





# KEY Factors

## WHY CHOOSE US?

### ➤ **Quality Assurance**

Strive for zero-defect manufacturing by implementing rigorous quality control processes and continuous improvement initiatives.

### ➤ **Cost Efficiency**

Continuously optimize manufacturing processes to reduce production costs while maintaining high-quality standards, ultimately providing value to customers.

### ➤ **Innovation and Technology Adoption**

Stay at the forefront of technological advancements in electronic manufacturing by investing in research and development, and embracing new manufacturing technologies and methodologies.

### ➤ **Employee Development and Satisfaction**

Foster a culture of learning and growth by providing training and development opportunities for employees, ensuring a safe and supportive work environment, and recognizing and rewarding outstanding performance.

### ➤ **Compliance and Regulatory Adherence**

Ensure compliance with relevant industry standards, regulations, and certifications to uphold product quality, safety, and legality.

### ➤ **On-Time Delivery**

Aim to consistently meet customer delivery deadlines through efficient production planning and logistics management.

### ➤ **Customer Satisfaction**

Achieve high levels of customer satisfaction by providing excellent service, responding promptly to inquiries, and proactively addressing customer needs and concerns.

### ➤ **Environmental Sustainability**

Implement eco-friendly manufacturing practices and reduce the environmental footprint of operations through energy efficiency, waste reduction, and responsible sourcing of materials.

### ➤ **Market Expansion and Diversification**

Expand into new markets and diversify the customer base to mitigate risks and capitalize on emerging opportunities in different industries and geographic regions.

### ➤ **Long-Term Sustainability**

Develop long-term strategies and partnerships that ensure the company's viability and competitiveness in the dynamic electronic manufacturing industry while maintaining financial stability and profitability.

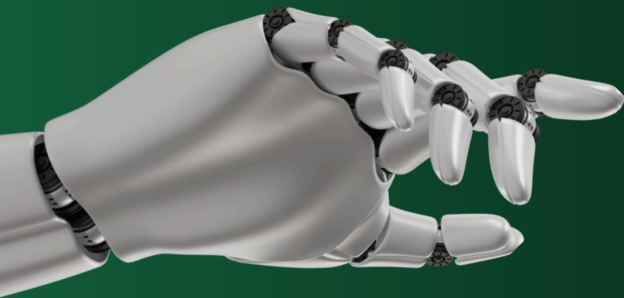


# THANK YOU



## We are ready to assist you

We deliver innovative electronic product manufacturing solutions that drive sustainable growth and success for your needs.



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## Where Innovation Meets Success...!