



# VR TECHNOLOGIES

## Company Profile

2024

Electronic Design and  
Manufacturing Services





# 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 experienced engineers and technicians, we provide end-to-end solutions to meet the diverse requirements 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 the catalyst driving transformative innovation in electronic products, from conception to realization. We imagine a future where seamless integration of design and manufacturing processes results in unparalleled efficiency, uncompromising quality, and ground breaking innovation.

# Mission

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.

Our commitment lies in offering comprehensive electronic manufacturing and design services that consistently exceed expectations. As the preferred partner for companies seeking end-to-end solutions, 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



7 SEC CYCLE TIME

ACCURACY  
+/- 0.025MM

**AUTO VISUAL**  
SOLDER PASTE PRINTER



MOUNT FINE PITCH 01005

**YSM 20R**  
95,000CPH



TEMPERATURE  
ACCURACY +/- 1.5C

**MA-800**  
8PLUS2 zone



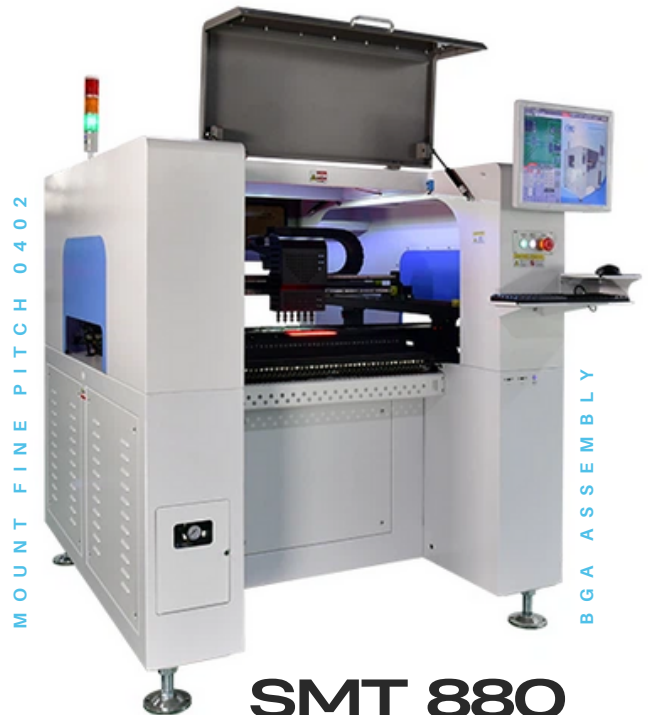
# Semi Automatic

ASSEMBLY SMT LINE



5 - 10 SEC CYCLE TIME

**SAP 26**  
SOLDER PASTE PRINTER



**SMT 880**  
15,000CPH



**RF635LS**  
6 zone

Active Windows

# Pre Production

DRYZONE STORAGE & BAKING

DEHUMIDIFY

DRY CABINET



PCB BAKING OVEN



STORAGE RACKS



ONLINE SOLAR PCU

SMT LINES POWERED BY



# Post

# Production

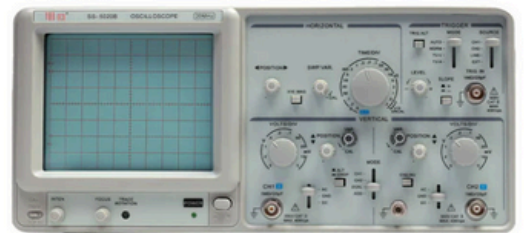
TESTING, INSPECTION & BGA REWORK

AUTO FOCUS



DIGITAL MICROSCOPE

OSCILLOSCOPE



OPTICAL INSPECTION



BGA REWORK



3D AUTOMATION (AOI)



# Production PCBs





# Certification

RAISE THE QUALITY BAR



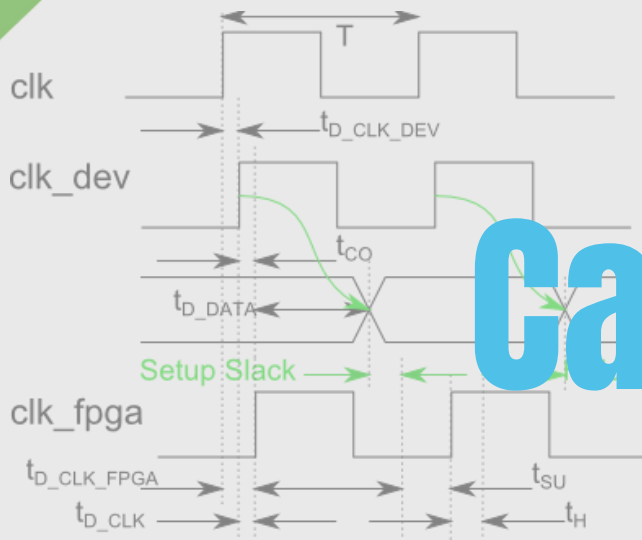
IN-PROGRESS



# Design

# Capabilities

CONCEPT TO REALITY



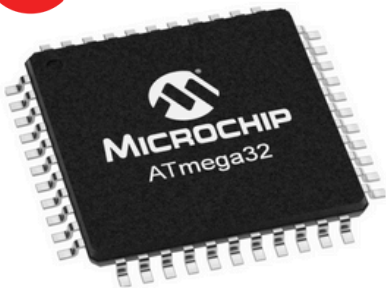
DESIGN  
SCHEMATIC  
GERBER  
FIRMWARE

 **XILINX®**



**FPGA**

 **MICROCHIP**

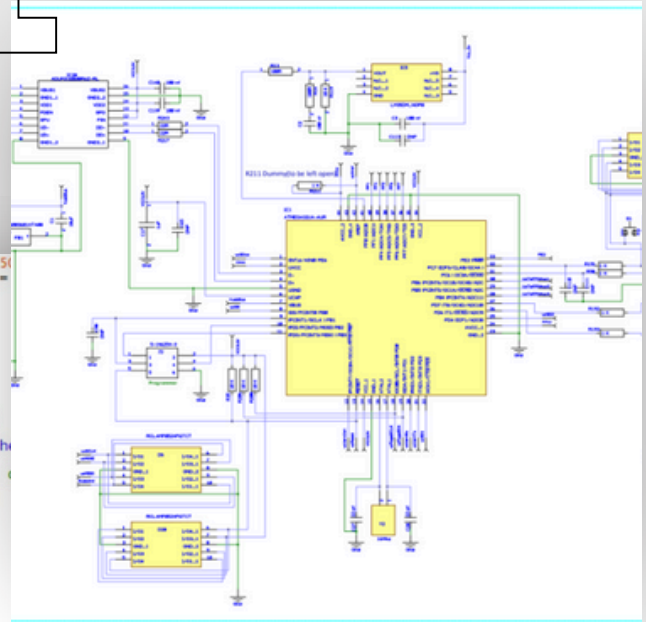


**MICROCONTROLLER**

```
clk_counter : natural range 0 to 50000000;
counter : natural range 0 to 10 := 0;

process (clk)
begin
    if rising_edge(clk) then
        clk_counter <= clk_counter + 1;
        if clk_counter >= 50000000 then
            clk_counter <= 0; --500ms
            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;
```





# Facility





# Key Factors

## To 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 or exceed 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

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