

YOUR THERMAL SOLUTIONS PARTNER FOR THE FUTURE





WHO WE ARE

YS TECH USA was incorporated in 2003, and the company's business philosophy is centered around innovation, quality, and efficiency.

The Electronics Cooling Division has amassed hundreds of patents globally over the past 30 years, and is recognized for its consistent quality and unique capabilities under our well-known brand name, Y.S. TECH.

Here at YS TECH USA our mission is to

Enhance the longevity and productivity of critical electronics through adaptability and customization.

We are constantly striving to improve our products and meet the evolving demands of our customers through our expanding global capabilities.

Let us be your trusted partner in achieving optimal thermal management.

NEW PRODUCT CHILLER COOLING SYSTEM

Advanced Liquid Cooling for High-Performance Applications

Reliable. Efficient. Built for Demanding Environments.

The YS Chiller Cooler System combines an inverter compressor refrigerant system with a high-efficiency plate heat exchanger to deliver superior thermal management for high-heat applications. By refrigerating and circulating coolant throughout the system, excessive heat is rapidly removed—keeping equipment operating at peak performance.

Designed to prevent overheating and unexpected shutdowns, the YS Chiller Cooler System enhances processor efficiency, system stability, and operational uptime, even under continuous or extreme workloads.

HOW IT WORKS

- Refrigerant-based inverter compressor chills the coolant
- Plate heat exchanger transfers heat efficiently
- Refrigerated coolant circulates through the cooling loop
- Heat is carried away from critical components and dissipated effectively

KEY BENEFITS

- Prevents equipment overheating and thermal shutdowns
- Improves processor computing efficiency
- Delivers consistent cooling under heavy workloads
- Energy-efficient inverter compressor technology
- Reliable performance for mission-critical systems deal for continuous and high-power operations

APPLICATIONS:

- Medical Equipment**
- Food Processing Systems**
- Industrial Manufacturing**
- Gaming PCs**
- High-Performance Workstations**
- Engineered for Performance**

The YS Chiller Cooler System is built for environments where thermal control is critical and performance cannot be compromised. Whether protecting sensitive medical equipment or maximizing computing power, YS Tech delivers dependable cooling you can trust.



714.379.1400
www.ystechusa.com
5405 Production DR, Huntington
Beach, CA, 92649

Y.S. TECH U.S.A.

The coolest liquid cooling technology ever.

NEW PRODUCT DC AXIAL FAN 40X28MM

**State of the Art Motor Technology
Designed for Maximum Efficiency
High Pressure . Energy Efficient . High Performance**

High Airflow Output: Delivers 43 CFM at only 36 watts, ensuring superior cooling.

Better Control: Achieves 6.3inches of pressure, ideal for overcoming airflow resistance.

IP Rated: IP43 to IP56, Built for durability in industrial and hazardous environments.



FAN FEATURES

- Frame and Housing made from 94VO rated thermoplastic (PBT)
- Dual ball bearing systems available
- Pulse Width Modulation (PWM) 2- 4 wire combinations available
- Tachometer, Alarm, Thermistors, and many other features available
- Expanded temperature: -40-80° C
- Environmental protections: IP43, IP55, IP56, IP67
- Value added service and fabrication
- Samples stock to 30 days
- Production lead time is 70 working days plus transit from China or Taiwan
- Local stocking in California
- Prompt customer service and technical support

INDUSTRIES THAT BENEFIT FROM THIS TECHNOLOGY:

- Telecom:** Durable, high-performance cooling.
- Internet Security:** Energy-efficient operation for precise temperature control.
- Automation & Robotics:** Reliable airflow for high-tech applications.
- Communication Equipment:** Ensures optimal thermal management..

START UP FEATURES

- Soft Start with very low inrush current
- Start fan at any duty cycle when using PWM
- Delayed start for hot swappable applications



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Y.S. TECH U.S.A.

Get Your Free Samples SALES@YSTECHUSA.COM

NEW PRODUCT

DC AXIAL FAN 220x51MM

Innovative Design for Maximum Efficiency:

High Pressure . Energy Efficient . High Performance

State of the Art Motor Technology Designed for Maximum Efficiency

High Airflow Output

Delivers 693 CFM, ensuring superior cooling.

Enhanced Static Pressure – Achieves 4.8inches, ideal for overcoming airflow resistance.

IP Rated

IP43 to IP67, Built for durability in industrial and hazardous environments.



FAN FEATURES

- Frame and Housing made from cast AL
- Dual ball bearing systems available
- Pulse Width Modulation (PWM) 2- 4 wire combinations available
- Tachometer, Alarm, Thermistors, and many other features available
- Expanded temperature: -10-60° C
- Environmental protections: IP43, IP55, IP56, IP67
- Value added service and fabrication
- Samples stock to 30 days
- Production lead time is 70 working days plus transit from China or Taiwan
- Local stocking in California
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INDUSTRIES THAT BENEFIT FROM THIS TECHNOLOGY

- **Telecom** – Durable, high-performance cooling.
- **Charging**– Energy-efficient operation for precise temperature control.
- **Automation & Robotics** – Reliable airflow for high-tech applications.
- **Large Scale Power Conversion** – Ensures optimal thermal management.

START UP FEATURES

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Y.S. TECH U.S.A.

Where Innovation Meets Thermal Reliability.

NEW PRODUCT

DC AXIAL FAN 220X70MM

Innovative Design for Maximum Efficiency:

High Pressure . Energy Efficient . High Performance

State of the Art Motor Technology Designed for Maximum Efficiency

High Airflow Output

Delivers 1093 CFM, ensuring superior cooling.

Enhanced Static Pressure – Achieves 5.77 inches, ideal for overcoming airflow resistance.

IP Rated

IP43 to IP67, Built for durability in industrial and hazardous environments.



FAN FEATURES

- Frame and Housing made from cast AL
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Where Innovation Meets Thermal Reliability.

NEW PRODUCT

EC AXIAL FAN 120X38MM

Universal AC Input . Energy Efficient . High Performance

Higher Efficiency: EC motors are up to 30% more efficient than traditional brushless DC motors, resulting in lower energy consumption and operating costs. Delivering 128CFM @ 8 watts!

Better Control: EC motors offer precise speed control and position feedback, making them ideal for applications that require high levels of accuracy and repeatability.

Lower Noise and Vibration: The design of EC motors results in lower noise and vibration levels, making them ideal for applications that require quiet operation.

Longer Lifespan: The absence of brushes in EC motors means they have a longer lifespan than traditional DC motors, resulting in lower maintenance costs



FAN FEATURES

- Frame and Housing made from 94VO rated thermoplastic (PBT)
- Dual ball bearing, Sintetico Bearing and sleeve bearing systems available
- Pulse Width Modulation (PWM) 2- 4 wire combinations available
- Tachometer, Alarm, Thermistors, and many other features available
- Expanded temperature: -10-70° C
- Environmental protections: IP43, IP55, IP56, IP67
- Value added service and fabrication
- Samples stock to 30 days
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- Local stocking in California
- Prompt customer service and technical support

INDUSTRIES THAT BENEFIT FROM THIS TECHNOLOGY:

- Industrial Equipment** – Durable, high-performance cooling.
- Refrigeration Systems** – Energy-efficient operation for precise temperature control.
- Automation & Robotics** – Reliable airflow for high-tech applications.
- Motor Control Systems** – Ensures optimal thermal management.
- Medical Devices** – Low-noise, high-efficiency cooling for sensitive environments.

START UP FEATURES

- Soft Start with very low inrush current
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- Delayed start for hot swappable applications



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Quiet Power for Demanding Applications.

NEW PRODUCT EC IMPELLERS

EC motor technology offers key advantages over brushless DC motors:

Higher efficiency: EC motors are up to 30% more efficient than traditional brushless DC motors, resulting in lower energy consumption and operating costs.

Better control: EC motors offer precise speed control and position feedback, making them ideal for applications that require high levels of accuracy and repeatability.

Lower noise and vibration: The design of EC motors results in lower noise and vibration levels, making them ideal for applications that require quiet operation.

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SPEED CONTROL OPTIONS

- Analog control: 0-5vdc or reverse
- Thermal control integrated to the fan
- PWM Control
- Frequency range: 1 Khz to 30Khz
- Linear from 0-100%
- Custom PWM profile

START UP FEATURES

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- Delayed start for hot swappable applications

TACH OPTIONS

- Square wave signal can be fixed to lock high or low for locked rotor condition



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Y.S. TECH U.S.A.

Your Best Partner For Cooling & Ventilation

At YS Tech USA, we offer you the ability to find or develop the best thermal management solutions for your toughest needs.

Fill out the form below and get in touch with us to get a sample order placed today.

CUSTOM FAN

Size LxWxH mm

VDC Input

CFM

Pressure Rating (mm of h20)

Current Draw (ma)

Temperature Rating Deg. C

Circuit Options

Tachometer

Yes
 No

PWM (4Wire)

Yes
 No

Noise Level (Dba)

Custom Circuits

IP Rating

Connector

AECQ

Yes
 No

Custom Requirements not Listed Previously

CUSTOM HEAT SINK

Materials Requested

Size Specifications

Applications Used For

Additional Notes

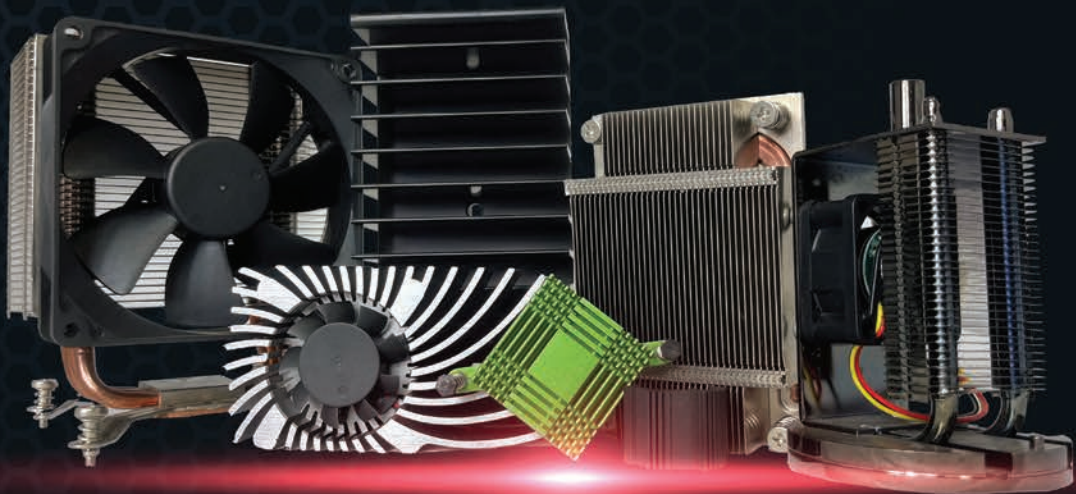
HEAT SINKS:

CUSTOM & BUILD TO PRINT

AT Y.S. TECH U.S.A

We excel in efficient production and offer competitive pricing for a wide range of thermal management solutions, including extrusions, skiving, heat pipes, vapor chambers, and cooler assemblies.

Our dedicated team is committed to partnering with you in finding the perfect thermal control solution for your needs. For more information, please reach out to your local representative.





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Visit us on our website www.ystechusa.com