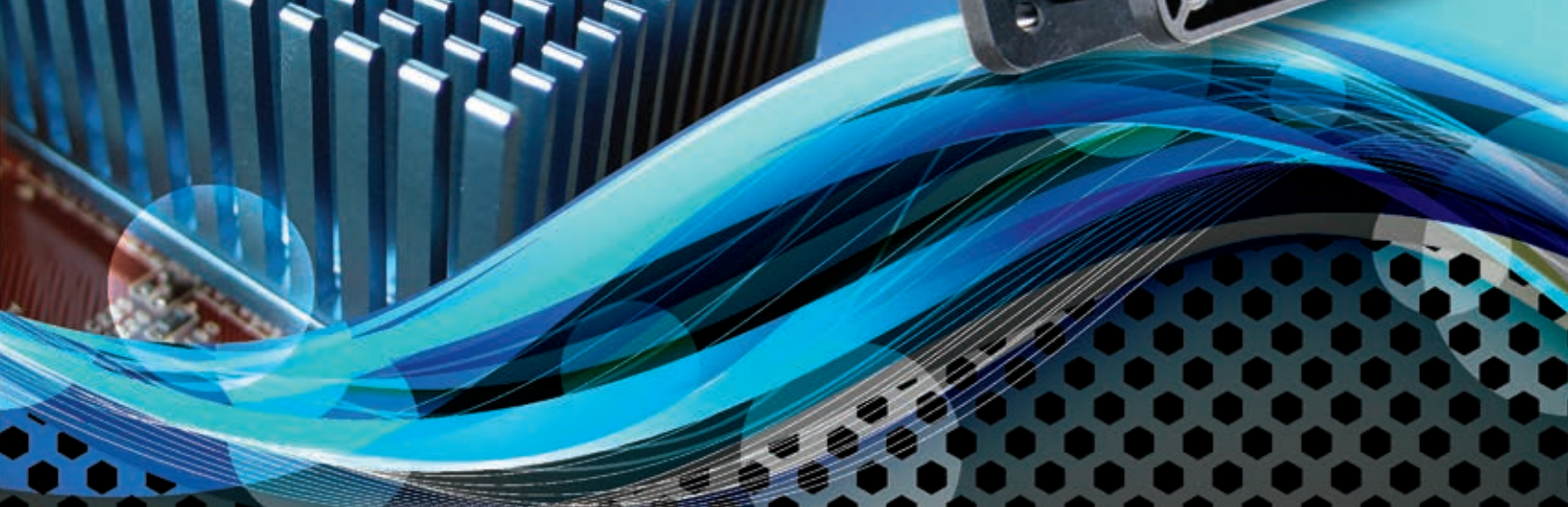
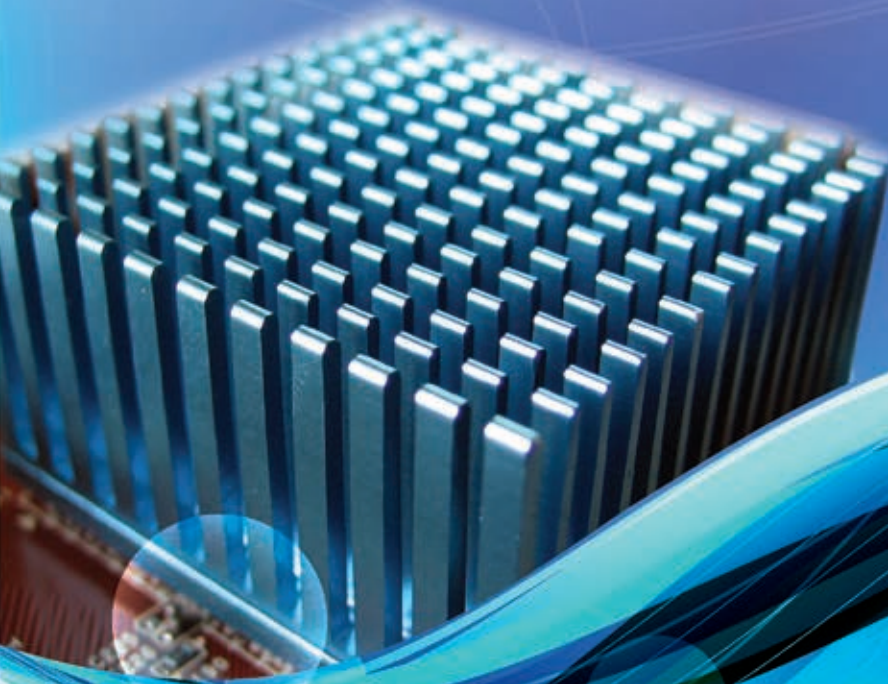


YOUR THERMAL SOLUTIONS PARTNER

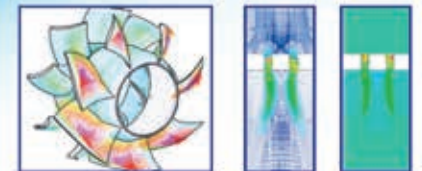
Y.S. TECH is a designer and manufacturer of thermal control solutions, including low noise and high performance DC axial fans, blowers, and heat sink technologies. With state of the art engineering facilities in Taiwan, China, and the United States, we partner with our customers to design custom solutions offering exceptional performance, acoustics and reliability for all industries.

Y.S. TECH is your best partner for developing a solution that will meet your system needs. We employ flow simulations and motor simulations for optimal designs and state-of-the-art flow chambers for precision ratings. HEAD Acoustic Systems are used for acoustical evaluations. We offer 3D modeling and prototyping in house and sample production is available through our California facility.



We offer low noise and high performance cooling fans in sizes ranging from 25 to 172mm with the following features available:

- 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: -20-80° C
- Environmental protections: IP44, IP55, IP67
- Value added service and fabrication
- Samples stock to 30 days
- Production lead time is 45 days plus transit from China or Taiwan.
- Local stocking in California
- Prompt customer service and technical support

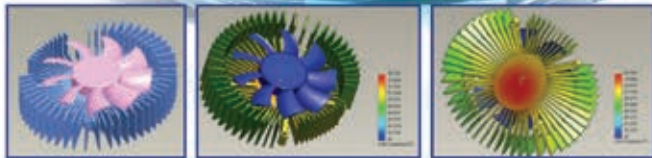
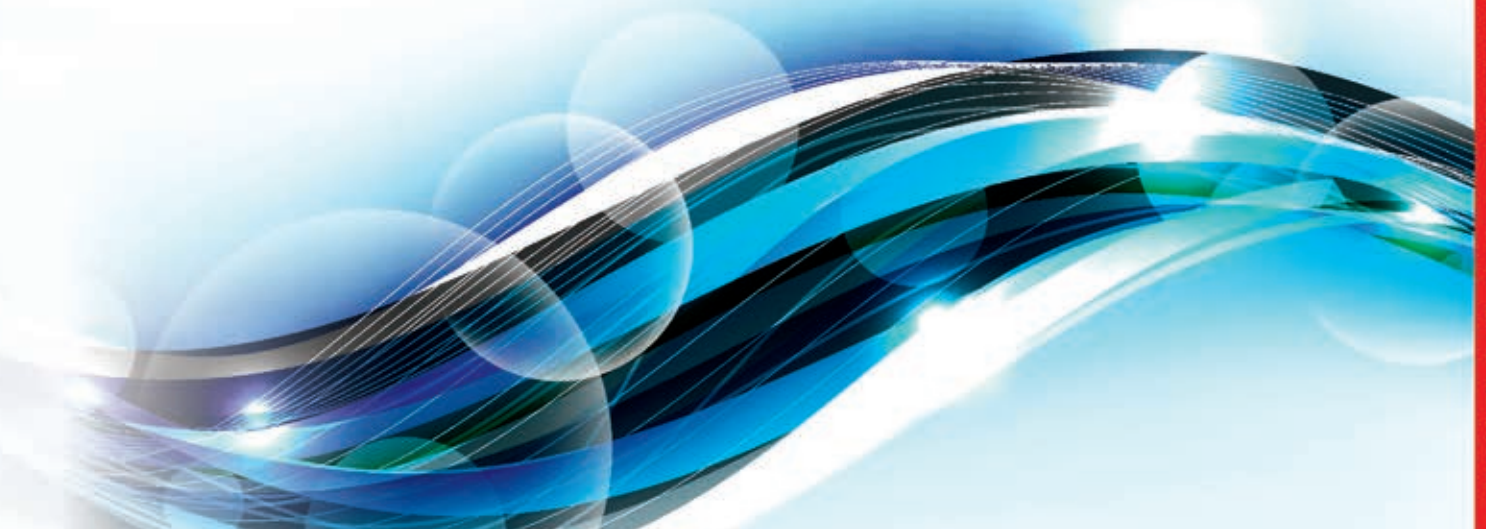


Y.S. TECH offers CFD and motor simulation to optimized new products and refine performance for individual customer needs.

THE NEXT GENERATION OF FAN CONTROLS OFFERED BY Y.S. TECH U.S.A. FEATURE:

- ▲ Board Voltage input ranges
- ▲ 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
- ▲ Fan Speed
 - Closed loop system enabling variable voltage input with constant rpm output
 - Specific rpm profile can be built to voltage input
- ▲ Tach options
 - Square wave signal can be fixed to lock high for locked rotor condition
 - Square wave signal can be fixed to lock low for locked rotor condition
- ▲ Alarm Option
 - Low speed sensor, preset the rpm threshold to trigger at set value
 - Delay before alarm triggers
 - Open Collector: low pass / high fail or reversed
- ▲ Speed control options
 - Analog control: 0-5vdc or reverse
 - Thermal control integrated to the fan
 - PWM Control
 - Frequency range: 1Khz to 30Khz
 - Linear from 0-100%
 - Custom PWM profile, curves can be easily made to any request
 - Tight tolerance of 3% on PWM duty cycle

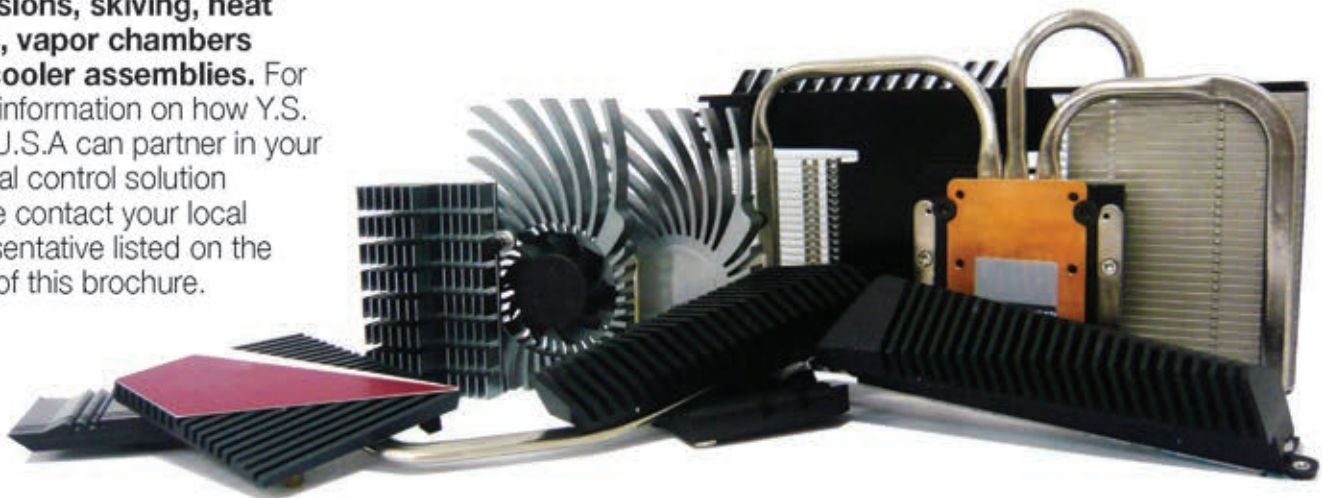
In addition to our cooling fan technologies, YS TECH U.S.A. also designs and manufactures custom heat sinks and can help customers develop specialized solutions or build to print. Time is always a factor in development cycles and YS TECH prides ourselves on being very responsive and quick in our ability to understand our customers' needs, keeping the process moving quickly. Simulation, prototyping and thermal validation are all services we can provide. In addition we can also provide technical support for CAD modeling, contact analysis, spring pressure, and interface materials.



Y.S. TECH can create thermal simulations in order to arrive at optimal performance for specific applications

We offer efficient production and competitive pricing for **extrusions, skiving, heat pipes, vapor chambers and cooler assemblies**. For more information on how Y.S. Tech U.S.A can partner in your thermal control solution please contact your local representative listed on the back of this brochure.

The heat sink division of Y.S. TECH is located in Taipei, Taiwan and our factory is located in Guangdong, China. We are a total solutions provider, offering full-system thermal design, testing, production and logistics. We utilize Flowtherm fluid dynamics simulation software in our design process to accurately predict airflow and heat transfer in and around electronic equipment.



CUSTOM HIGH PERFORMANCE HEAT SINK TECHNOLOGIES



ENGINEERING
DRIVEN
SOLUTIONS

MANUFACTURING
TECHNOLOGIES

THERMAL AND
CAD / CAM DESIGN

ISO 9000 ▲ ISO 14001 ▲ OHSAS18001 ▲ TS16949
CERTIFICATIONS



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