COOLTRON provides a great variety of Heat Sink products that apply the industry's most popular and advanced technologies, such as extrusion, forging, hybrid forging, stamping, skiving, bonding, die casting, CNC machining, and etc. Cooltron is committed to supplying customers the best performance, reliable, but affordable thermal products and solutions to meet customers' most challenging thermal management requirements and the possible least costs requests.

Cooltron Main Heat Sink Lines:

Computer Heat Sink, LED Heat Sink, Custom Heat Pipes, and Custom Heat Sink.



BGA Computer Heat Sink



LED Heat Sink

COOLTRON[®]

Heat Sink Application:

- Computer
- Telecommunications
- Transportation
- LED Lighting
- Server
- Consumer Electronics
- Energy
- Medical Devices
- Test Equipments

Cooltron Heat Sink Focused Application Markets:

COOLTRON current heat sink business mainly focuses on Telecommunication & Networking, Power Supply, Commercial LED Lighting, Medical Devices, and other application markets.



Heat Pipes



Custom Heat Sink

Heat Sink Material & Property:

- Copper: Higher density for faster thermal-conductivity but at higher costs
- Copper Embedded Aluminum: The most optimum cost performance solution combining Copper base's faster heat conductivity and other Aluminum parts' faster heat dissipation capabilities, but at less costs than pure Copper
- Pure Aluminum: Most popular 6063 or 6061; Good thermal dissipation at fair price
- Aluminum Alloy: Lower costs solution for easy formation process but still
 strong structure

US Headquarter

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Origin of Cooltron New Heat Sink Business:

Since the incept in 1999 in Walnut, California, USA, Cooltron has been devoted to Research & Development and Manufacturing of Electronics Cooling products, such as DC/AC Fan, Blower, and accessory products for over 15 years, and has also won recognition and reputation among many world class customers by strict product quality controls and customer-oriented services.

To cope with today's Electronics device design trends going more demanding for new Electronics Cooling Solutions as fast cooling speed as fans and blowers, while much quieter, more flexible in size and application system integration, and more important, Worry Free in case of power or fan failures, Cooltron began adding Heat Sink products to its new Thermal Product line in 2011. Thanks to Cooltron's dedication to Technology Innovation and Quality Reliability, and years' over Millions US dollars investments on manufacturing facilities, Cooltron's heat sink business has grown surprisingly and substantially during such a short time period – more than 50% heat sink sales growth over these three recent years.

Why choose COOLTRON Heat Sink?

- Original Manufacturer for OEM/ODM
- Industry Leading and Patented Technologies
- Order Flexibility for Sample Orders, Small Quantity Pilot-Run, and Mass Production
- Full and Complete Production Process Starting from CFD Design & Simulation, Prototype Samples, Mass Production, Surface Treatment, till Thermal Resistance Tests on each part
- More Affordable Prices, Better Cost Performance, and Shorter Lead Time

For COOLTRON's long-term commitments to providing Excellent but Affordable cooling solutions for the industry supply chain, Cooltron has been investing significant amounts of resources in state-of-the-art thermal technologies research and development, employing most updated Extrusion, Forging, Stamping, CNC machines, and proficient technicians and assembly workers, holding strict Quality Control Policies and enforcements.

Besides the strict QC control enforcements and ISO9001:2008 Quality Management certification awarded, Cooltron is also aware of its social responsibility to environmental sustainability and has been trying every effort to comply with all necessary Environmental Protection Requirements, such as RoHS and others from servicing World Class customers like MSI, Philip, Asus, and ECO (Germany).

Currently, Cooltron has two hundreds employees dedicated to Heat Sink production, which include Senior Engineers, proficient Machines Operators, and skillful Assembly Workers.

- Location: Dongguan, Guangdong Province, China
- Factory Area: 65,000 square foot
- Employee: About 200 employees for Heat Sinks manufacturing



To guarantee Cooltron Heat Sink products' best cost performance and reliability, Cooltron not only invests on acquiring the most advanced production equipments, but also spends a lot of time, money, and efforts on R&D engineers recruiting, machines operation and maintenance technicians' on-the-job training, and QC personnel workshops.

Cooltron has a full and complete line of Heat Sink production equipments that enable production in different combination of production techniques for the best custom design and cost performance, including Puncher Machines, Cold Forging Machines (Hydraulic Puncher Machine), CNC Machines, Welding Machines, Ultrasonic Cleaning Equipments, and Tooling Equipments.



Puncher Machine

MANUFACTURING EQUIPMENT



Welding Line

MOLD MANUFACTURING EQUIPMENT



Wire Cutting Machine



CNC Grinding Machine

TEST EQUIPMENT



DT Module Thermometer



3D Measuring Instrument