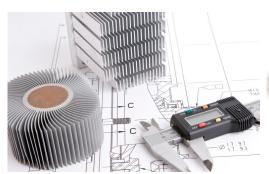


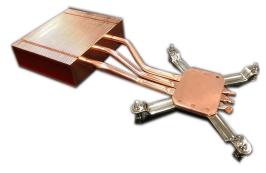
Thermal Management Design and Manufacturing



Natural Convection



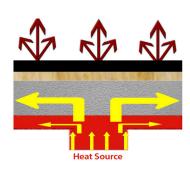
Forced Convection



Phase Change Cooling



Liquid Cooling



Advanced Materials



Cabinet Cooling

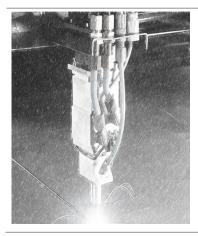
Various Liquid Cold Plate Manufacturing Capability Various Channel Capabiliy For Liquid Cooling With our proven success in thermal management design and manufacturing, with customers around the world, you can rely on Baknor for innovative cooling solutions for the electronic industry.

Baknor designs and manufactures solutions such as extruded aluminum heat sinks, bonded-fin heat sinks, liquid-cooled cold plates and various thermal assemblies. Our outstanding engineers have special expertise that gets you to market with the best solutions possible.

Liquid Cooling

Laser Welded Micro Extrusions
For Liquid Cooling

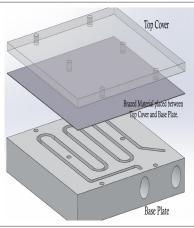
Brazed Liquid Cold Plate Friction Stir Welded



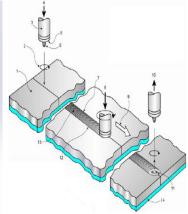
Tube Liquid Cold Plates



Extruded, Skived or Machined Channel



Pin Fin Channels
Forged or Machined



Extruded & Welded Liquid Cold Plate

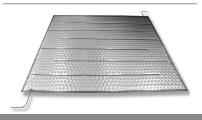


Pillow Liquid
Cold Plates









Liquid Cold Plates With Various Types Of Turbulators

Increase thermal performance by creating a turbulent flow of the cooling liquid.

Innovative thermal solutions optimized for best cost.

From prototypes to low volume production or complex to high volume requirements

Baknor has the right solution for your application.

Natural Convection Custom Heat Sinks

Standard Heat Sinks
Standard Extruded Profiles

Difficult Thermal Challenges associated with densely packed electronics, low/no airflow, high ambient temperatures and power densities.

Die Casting High Thermal Conductivity 200 W/mK

Machined Heat Sinks Heat Sinks Heat Sinks

Heat Sinks Heat Sinks

A second of the seco

Baknor can prepare a variety of aluminum surface finishes to bring your product to the quality standards required for your application, especially when cosmetics are critical.

Anodizing - Chromating
Electro Plating
E Paint-Powder Coating

Baknor's extensive knowledge of cooling systems weighs various tradeoffs and factors such as functionality, volume, mass, cost, packaging, manufacturability, efficiency, and the reliability and safety of heat dissipation components.

From prototypes to low volume production or complex to high volume requirements, Baknor has the right solution for your designs.

Custom Thermal Solutions

We Design For You or We Build To Your Print

Assembly of Multiple
Parts

Heat Sinks, Fan Assemblies, Phase Change Cooling

Skived Heatsinks Bonded Fin Heat Sinks

Vapor Chambers Forced Convection
Heat Sink Assemblies









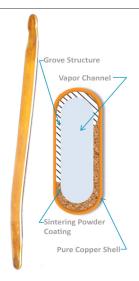
Heat Pipes
And Assemblies

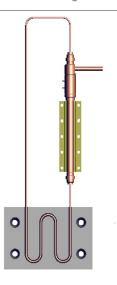
Ultra Thin Heat Pipes

Loop Heat Pipes

Aluminum Extruded Phase Change Cooling









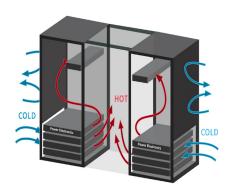
Engineering
Thermal Design Solutions
Analysis & Simulation
Electro Mechanical
Design Services

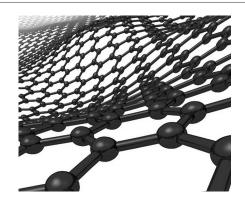
Engineering Design Services

Cabinet Cooling

Advanced Materials Film Heat Sink

Collaborative Engineering



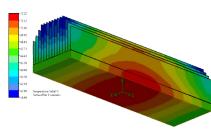


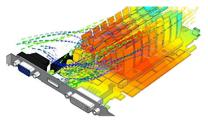


Thermal Design Services

Electro Mechanical Design Services

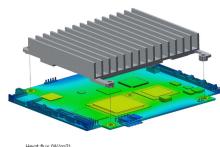
Thermal Analysis
And Simulations

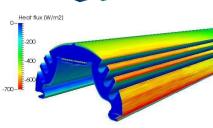






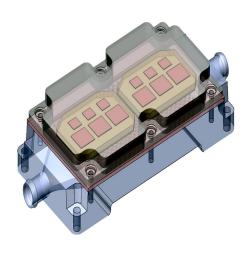






Baknor's engineering team will help you find innovative cooling solutions for your unique and specific needs in the advanced microelectronics and power component industries. From start to finish, our goal is to assure your application needs are met in a cost effective and timely manner. This includes working with you to analyze your requirement, design the performance required, and simulate your application to ensure success of your prototypes and production.

Baknor The Way To Cool





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