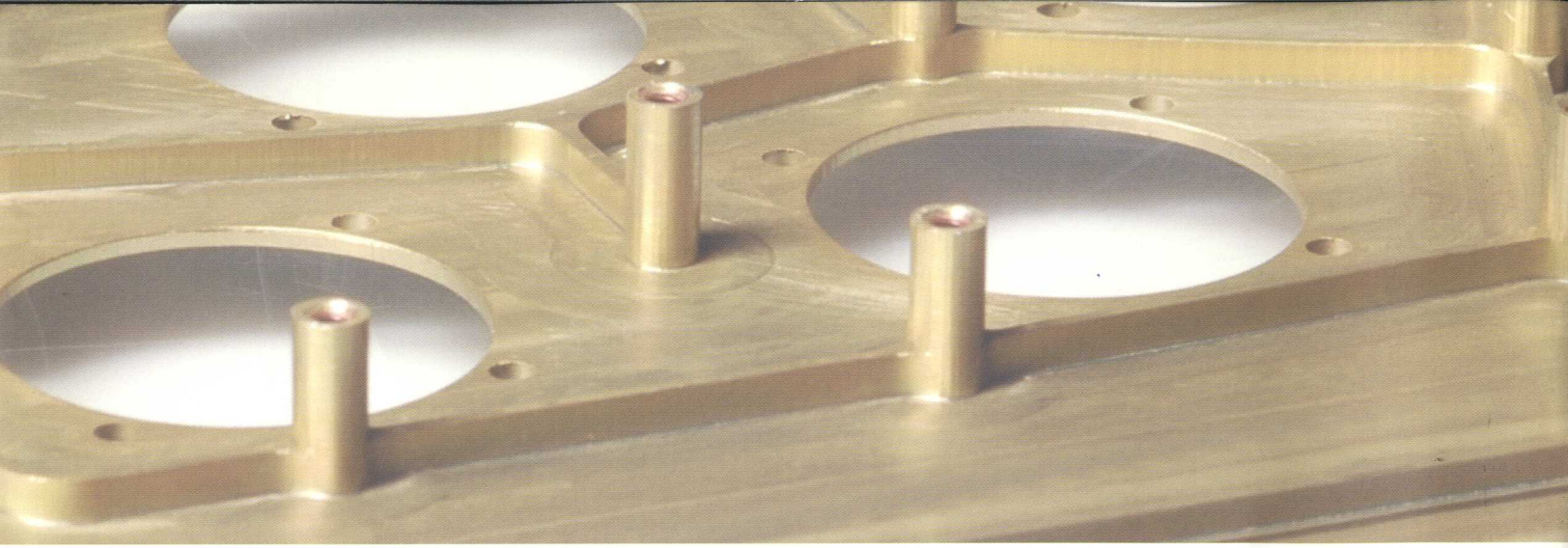
WAKEFIELD SOLUTIONS

North Carolina Operations
Cary, North Carolina
Technical Products

Formerly Known As

Simon Industries, Inc.



Through commitment, cooperation, and innovation, Simon Industries, Inc. designs, manufactures, and markets leading edge mechanical and thermal solutions for the global embedded computer market. Located in Cary, NC, Simon Industries has been in business for over 10 years, and has garnered a worldwide customer base driven by competitive prices, short lead-times, and unrivaled value.

Simon has achieved a leading position in the Rugged COTS packaging marketplace, providing for VME/ VME64x, VXS/VPX, VXI/PXI, AdvancedTCA/MicroTCA, and CompactPCI/2.16 architectures. Simon's superior quality is attained through an established training program of all employees, and by strict adherence to ISO 9001.

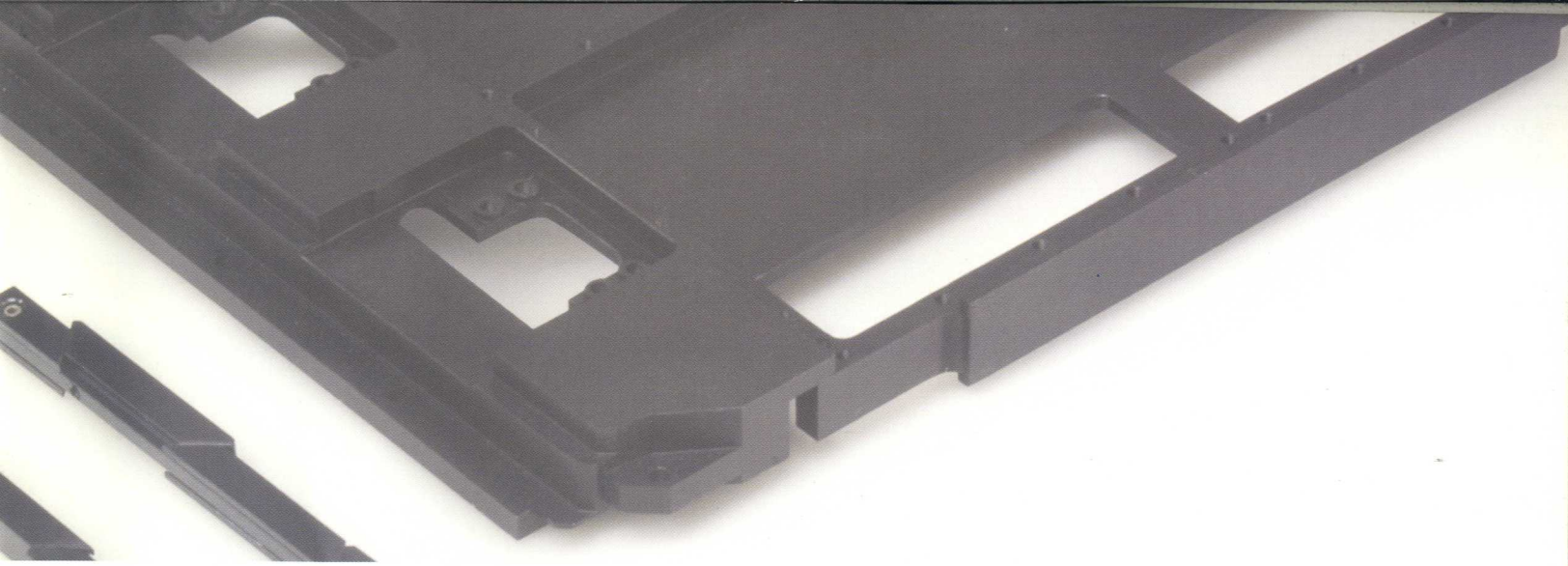
Why Simon?

At Simon Industries, we understand that in the competitive world of embedded electronics, time to market is critical.

Supply chain management, logistics, and total lead-time of all your mechanical requirements can be effectively produced and managed by one of our business managers.

Comprehensive knowledge of industry specifications, and experience allow Simon to provide the ancillary products that complement your heat frames, heatsinks, and front panels. These third-party items are in stock at Simon, and are offered along with our globally competitive precision machined parts.

Conducting business with Simon will provide your project management and procurement teams with an efficient, logistical source for all mechanical and thermal requirements.



Simply Rugged

Conduction & Rugged Air-Cooled Heat Frames

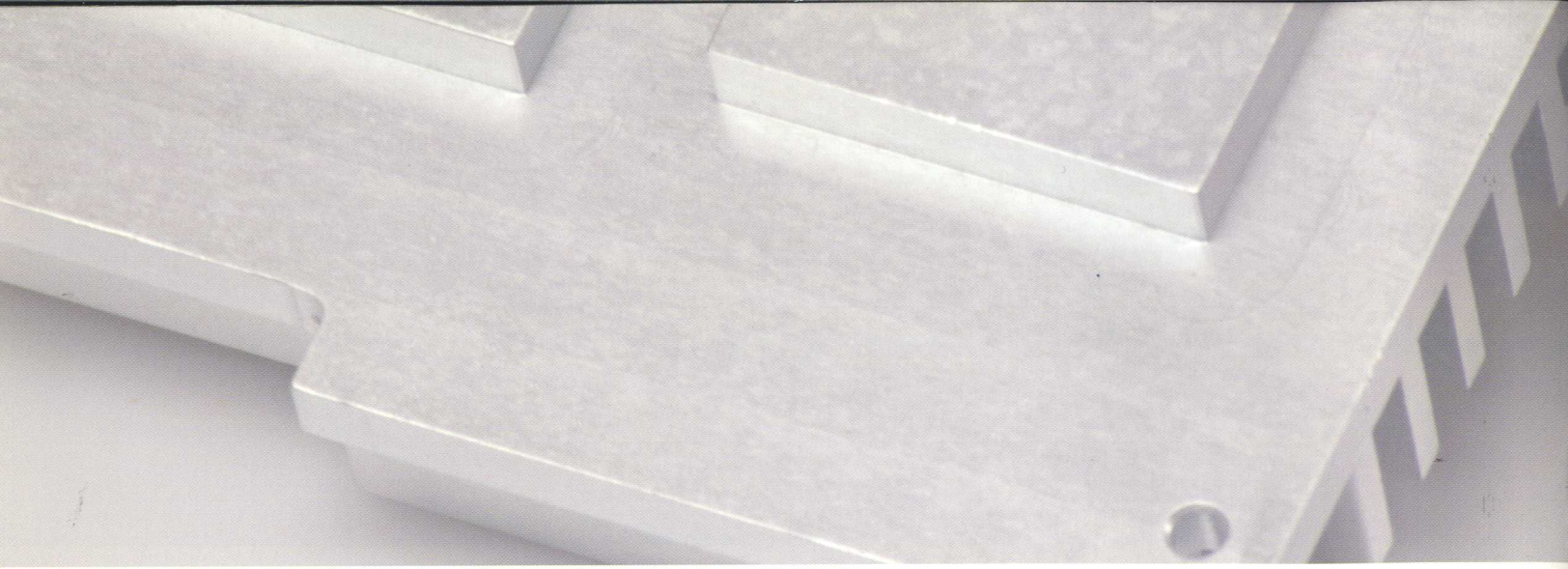
Simon Industries offers extensive design and manufacturing experience related to embedded applications which require conduction-cooled, and air-cooled heat frame assemblies.

Remaining alert to the latest industry guidelines, allows Simon to offer a unique total solution to a multifaceted design and production challenge. Mechanical and thermal expertise, supported by industry-leading Finite Element Analysis and Computational Fluid Dynamics Analysis capabilities, allow Simon's team to deliver a design that captures project goals, and enhances your product offering.

Simon's engineering team is flexible, experienced and accessible to your design team throughout development of a rugged single board computer. Provided your precise specifications, constraints, and targeted levels of ruggedization, Simon will design a heat frame to perfectly fit your board using SolidWorks or IronCAD modeling tools. We can then model its thermal and structural performance with the CFD and FEA software we utilize, thus validating the mechanical and thermal design before your company invests in costly prototypes and production activity.

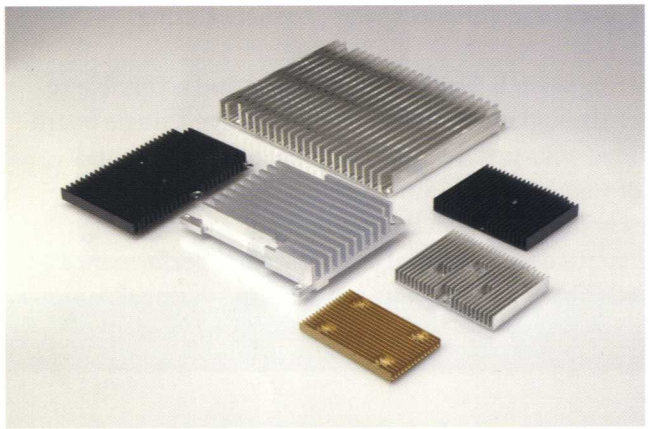
Simon's experience working with the best-performing thermal interface materials spans a decade, and is an imposing design advantage when developing complex embedded electronics. To achieve a viable design that will survive the elements your products encounter, the proper thermal interface materials must be implemented astutely. Simon's team of engineers can navigate your design to take advantage of the latest technologies available, and deliver a thermally and mechanically sound assembly. Simon also manufactures wedgelocks, ejectors, and many ancillary heat frame components that are required for your embedded electronics.

When your goal is a one source solution for your mechanical and thermal requirements, who should you turn to?



Simply Cool

Heat Sinks



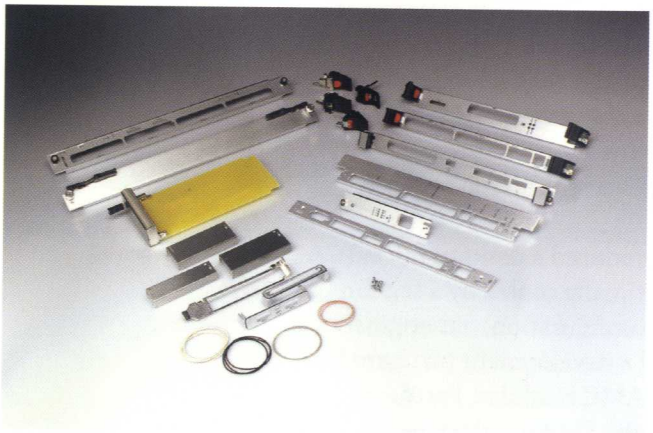
Simon Industries is an industry leader in custom thermal solutions for advanced military electronics, telecommunications, biotech, and industrial control.

We can design a heatsink to fit your application, or we can manufacture your build-to-print design. Simon has experience manufacturing from aluminum, copper and other materials. We can also provide solutions based on extruded material to produce the most cost-effective solution for your products.

Who offers a full range of heat sink solutions?

Simply Fast

Front Panel Assemblies



Simon Industries manufactures custom front panels that are silk-screened, fully assembled and ready to mount to your PCB.

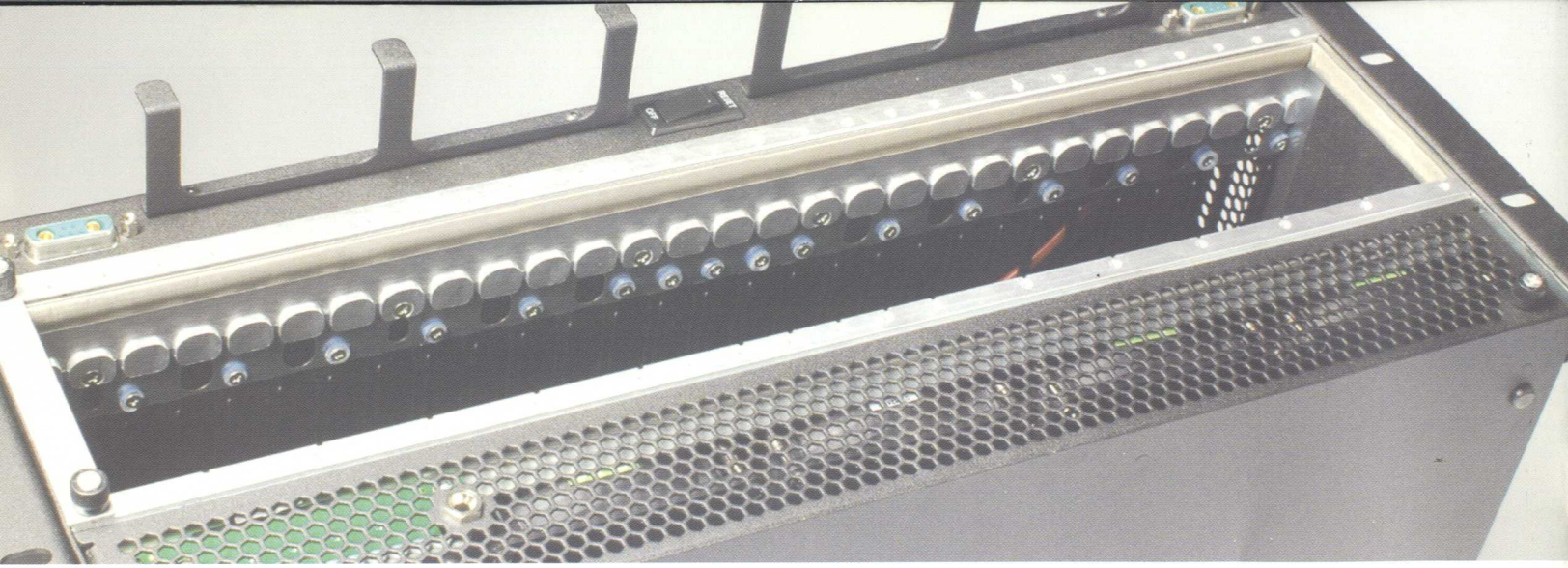
Simon typically uses high-speed CNC machines to mill your custom details, providing a superior finish and precision fit to your board. We also have the ability to stamp front panel cutouts to meet your specifications or high volume requirements.

Simon offers all VME related front panel accessories, including those to meet Vita 41, 46, 48 and 57 requirements. We also offer build to order compactPCI, ATCA, and PCI panels, as well as customized AMC and PMC bezels.

We stock panel components from all major manufacturers of electronics packaging to include Elma, Southco, Rittal, and Pentair-Schroff. The result allows Simon to reduce your lead-time, and consolidate procurement tasks for your buyers.

Simon also provides a variety of standard finishes for your products to include clear chromate, clear and black anodize, and powder coat along with our in-house silk-screening service.

Who has a typical lead-time for fully assembled and silk-screened front panels of 2-4 weeks?



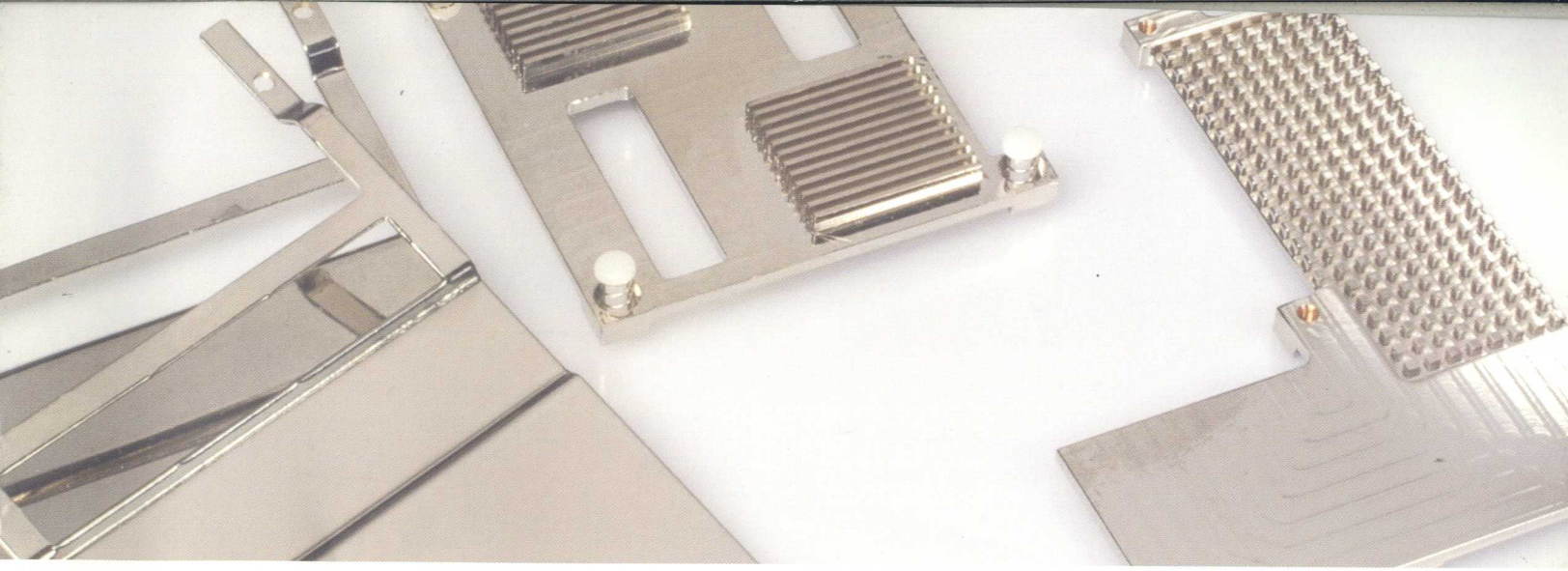
Simply Smart

microTCA and Custom Chassis Design

Simon Industries has absorbed our experience from the design and manufacture of heatframes, heatsinks, and front panels and applied it to our exquisite design capability of mechanical enclosures. Combining our CNC machining expertise with a robust sheet metal fabrication service, Simon can deliver designs and volume manufacturing for your system-level embedded products.

Simon has introduced a desktop microTCA enclosure. Optimally cooled by a ten fan five-zone fan configuration, our engineers have delivered a development platform for developers of AMC modules. Partnered with Molex™, the Simon Industries microTCA table-top development chassis is well-suited for developing and debugging microTCA systems using full-height and half-height AMC modules. Utilizing the Molex Dual-Star backplane, the Simon Chassis can facilitate hardware and software development, accelerate time to market, and allow developers to evaluate various AMC cards, power supplies, and MCH products.

Who best understands the inherent thermal challenges of microTCA architecture?



Simply Thorough

Strategic goal-setting utilizing customer feedback drives Simon's business processes of continuous improvement. Close relationships with customers and suppliers, as well as cross-functional teamwork throughout the development cycle, enable us to consistently produce quality products.

Simon Industries provides all of our team members with an educational working environment, which enables individual career growth while contributing to company objectives.

Simply Committed

Our mission is to provide a progressive business model that enables our customers to outperform the competition by showcasing mechanical and thermal proficiency with their products. Technical expertise, state of the art business practices, and sales people that will listen and adhere to your business goals, will produce success for your company and ours.

We are committed to, and maintain a safe working environment that fosters learning and personal career growth for all of our employees, and work cooperatively with North Carolina State University to identify and add the best engineering talent to a veteran team of dynamic and energetic problem-solvers.

Simply Simon

Simply put, Simon is a strong, flexible partner that will manage the mechanical and thermal requirements for your products. If your company seeks the most innovative, shortest path to deploy product with quality parts and solutions, your answer is Simon Industries, Inc.

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