

**Specialists in Power Electronic
Components and Assemblies**



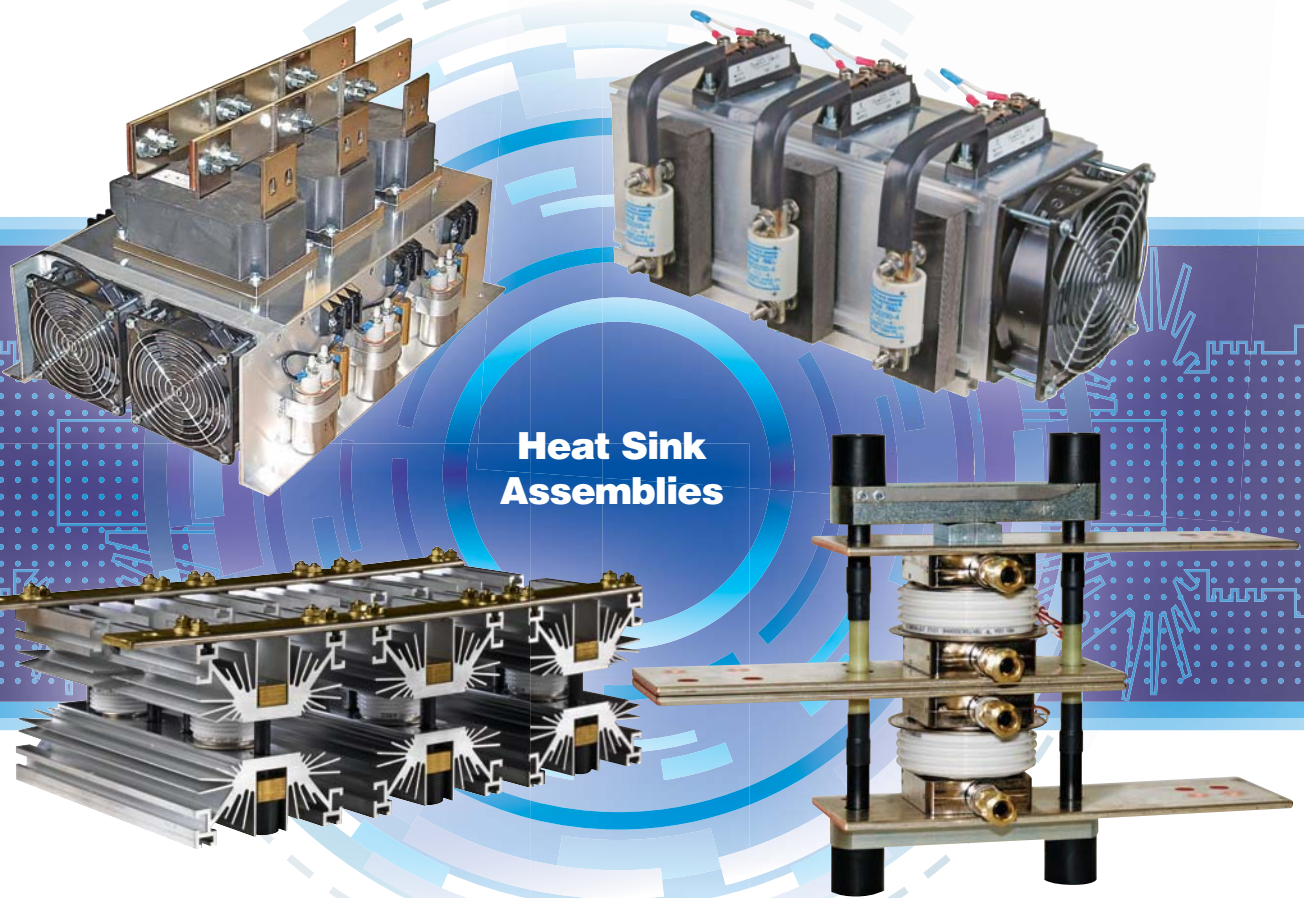
www.chtechnology.com | 952.933.6190 / 800.274.4284

Assemblies

C&H Technology has extensive experience designing & building custom power assemblies for a variety of industrial applications.

We deliver top quality power assemblies at the best possible price. C&H Technology can assist with your entire design – from conception to prototype to full production.

We offer a large selection of standard and custom assemblies to meet your specific requirements – up to 50,000 Amps.



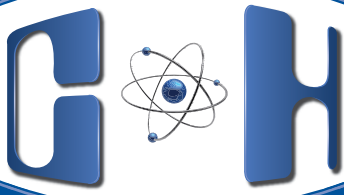
**Heat Sink
Assemblies**

Our products are used worldwide in all industrial sectors

Welding Power Supplies
Battery Chargers
Steel Mills
Aluminum Smelters
Mining Equipment

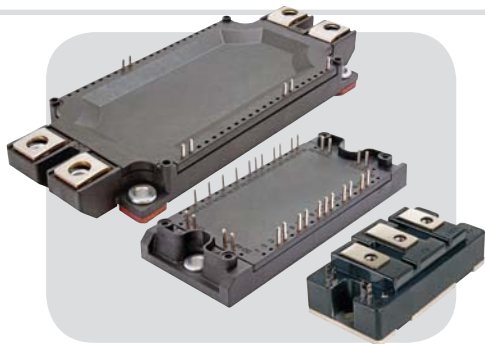
Electric Vehicles
Power Supplies
Forklifts
Overhead Cranes
Industrial Motor Control

Transportation
Power Generation
Wind Turbines
Solar Inverters
And many others...



C&H TECHNOLOGY

Power Semiconductors



IGBT Modules

- High Efficiency IGBT's Ideal for High Frequency Power Applications
- Voltage: 250V to 6500V
- Current: 35A to 2500A
- Switching Frequency 1KHz to 40kHz
- Trench MOS Gate Technology
- IGBT Die



Thyristors / SCR's

- High Current Phase Control
- Fast Switching Inverter Grade
- Voltage: 100V to 6500V
- Current: 40A to 8000A
- Thyristor Die:
 - Solder and Wire Bondable from 110 mil to 595 mil
 - Round from 19mm to 77mm



Rectifiers / Diodes

- Standard Recovery: 100V to 6500V, 16A to 10000A
- Fast Recovery: 200V to 4500V, 12A to 2000A
- New FRED Pt Gen 4: Low Vf, Qrr; Soft Recovery & Low EMI
- Schottky: 45V to 150V, 100A to 440A
- Diode Die:
 - Solder and Wire Bondable from 190 mil to 590 mil
 - Round from 19mm to 77mm



MOSFET Modules

- High Current Density
- Easy to Parallel
- High Frequency Switching
- Very Low On-Resistance
- Voltage: 75V to 500V
- Current: 38A to 190A

Passive Electrical Components

Capacitors



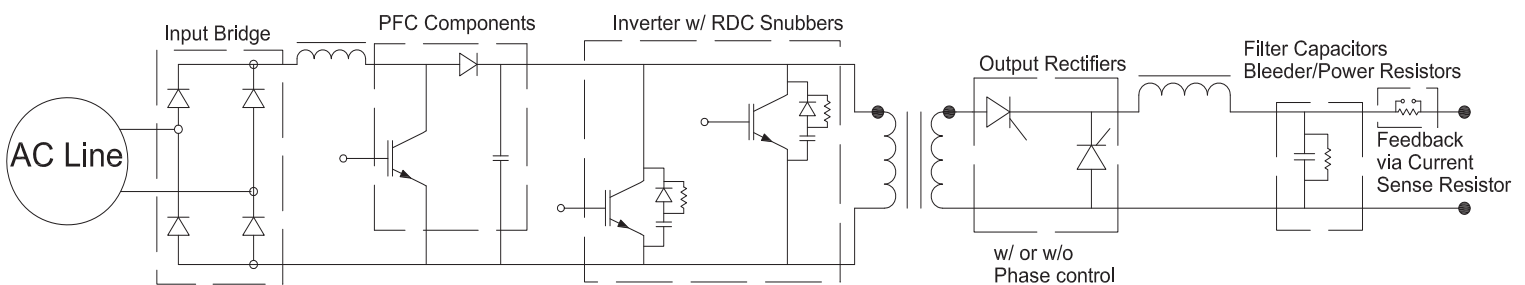
- Film and Aluminum Electrolytic Capacitors for Industrial Power Electronic Applications
- SCR Snubber, SCR Commutations, DC Link, Buffering, DC Filtering, Power Factor Correction, GTO Snubber, Ripple Smoothing, Energy Storage

Resistors



- Power Resistors from 5 to 20,000 Watts
- Available in: Wirewound, Precision, High Power, High Voltage, Ceramic, Vitreous Enamel, Metal Film, Non-inductive, Fixed, Adjustable, Axial, Chassis mount, Aluminum Housed, Thick Film Resistors

Power Conversion Circuit



High Power Solutions

C&H Technology has over 30 years of experience servicing the industrial market for power electronics and thermal management. Our continued focus on the customer and addressing their needs has elevated C&H Technology as a preferred supplier in the industry. We offer a complete circuit solution including power semiconductors, resistors and capacitors to custom heat sinks and assemblies for heavy industrial applications.

Our quality products, reliability and knowledgeable workforce separate us from the competition.

Service Capabilities: Engineering Solutions • CAD Capabilities • Large Inventory for Quick Turnaround • Electrical Testing Custom Part Marking • Lead And Terminal Modifications • Bar Coding • Just-In-Time (JIT) Delivery

High Performance Cooling Solutions

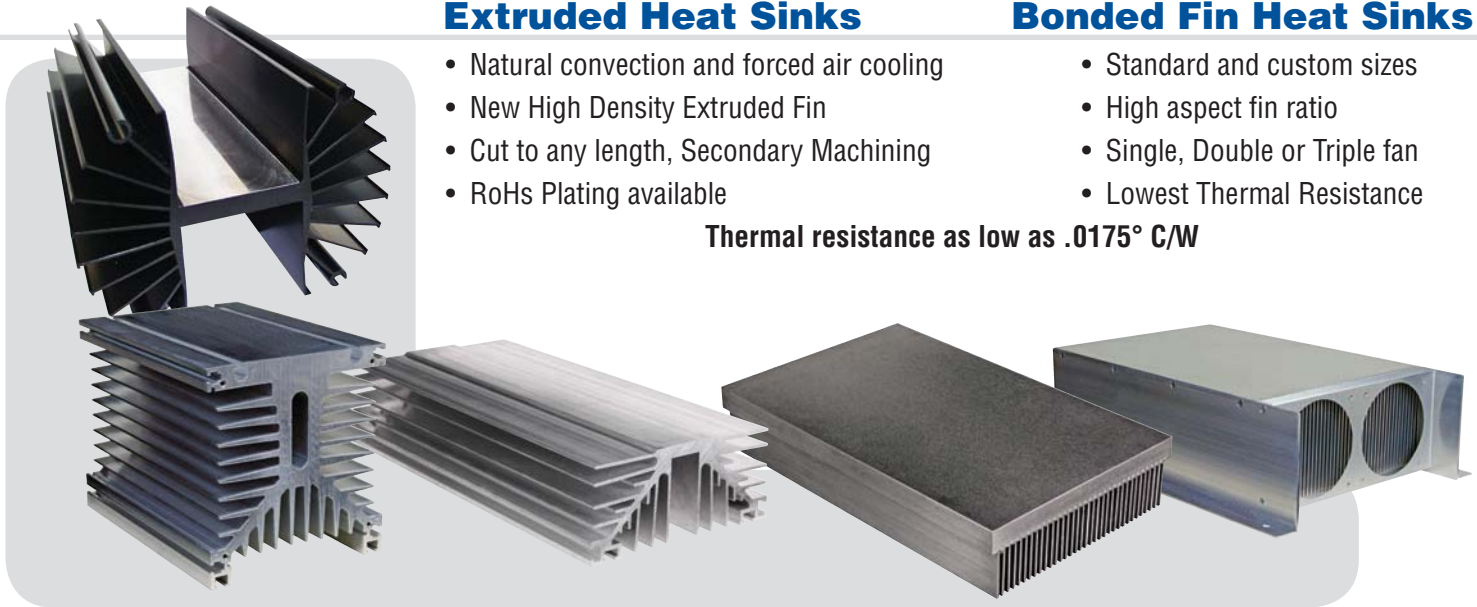
Extruded Heat Sinks

- Natural convection and forced air cooling
- New High Density Extruded Fin
- Cut to any length, Secondary Machining
- RoHs Plating available

Thermal resistance as low as $.0175^{\circ}\text{C/W}$

Bonded Fin Heat Sinks

- Standard and custom sizes
- High aspect fin ratio
- Single, Double or Triple fan
- Lowest Thermal Resistance



Liquid Chill Blocks and Plates

Copper chill blocks for hockey puck devices ranging in size from 19mm to 100mm. Aluminum Chill Plates with embedded copper tubing from one to six passes – ideal for cooling IGBT modules.



Bar Clamps and Box Clamps

Clamping force from 5kN to 95kN, easy field replacement, precalibrated for ease of use, RoHs compliant, corrosion resistant plating, insulator dielectric rating of 85KV/mm.





Specialists in Power Electronic Components and Assemblies

Added Value

Engineering | Custom Part Marking | Electrical Testing | Leakage Testing | Blocking Voltage
Bar Coding | Forward Voltage Drop Matching | Just-In-Time Delivery
SCR Gate and Latching Current | Lead and Terminal Modifications

We believe quality and service are essential.



952.933.6190 / 800.274.4284

Visit us at **www.chtechnology.com** or email **sales@chtechnology.com**
6121 Baker Road, Suite 108, Minnetonka, MN 55345