

Total **thermal** management





**OUR MISSION
IS TO FIND
THE CORRECT
SOLUTION AND THE
FULL CUSTOMER
SATISFACTION**

PadaEngineering

For over 30 years, Pada Engineering has been supporting worldwide market with high quality, high reliability component for electronic.

Our unique knowledge includes :

- Thermal management/thermal design support
- Fast prototyping
- Up to date CNC/Technology
- Continuous quality improvement
- ISO 9001 certified firm, with detailed/full procedures to minimize defect.



Surface Coatings

Unique nanotechnology coating to improve: resistant to high temperature, hardness, smoothness, electrical insulation.



Gasketing

Gasketing of any kind of material/surface, through a poliurethanic bi-component, close cell.



Surface Treatments

Any kind of surface treatment available: Anodization, Chrome free treatments, Painting, Sandblasing.



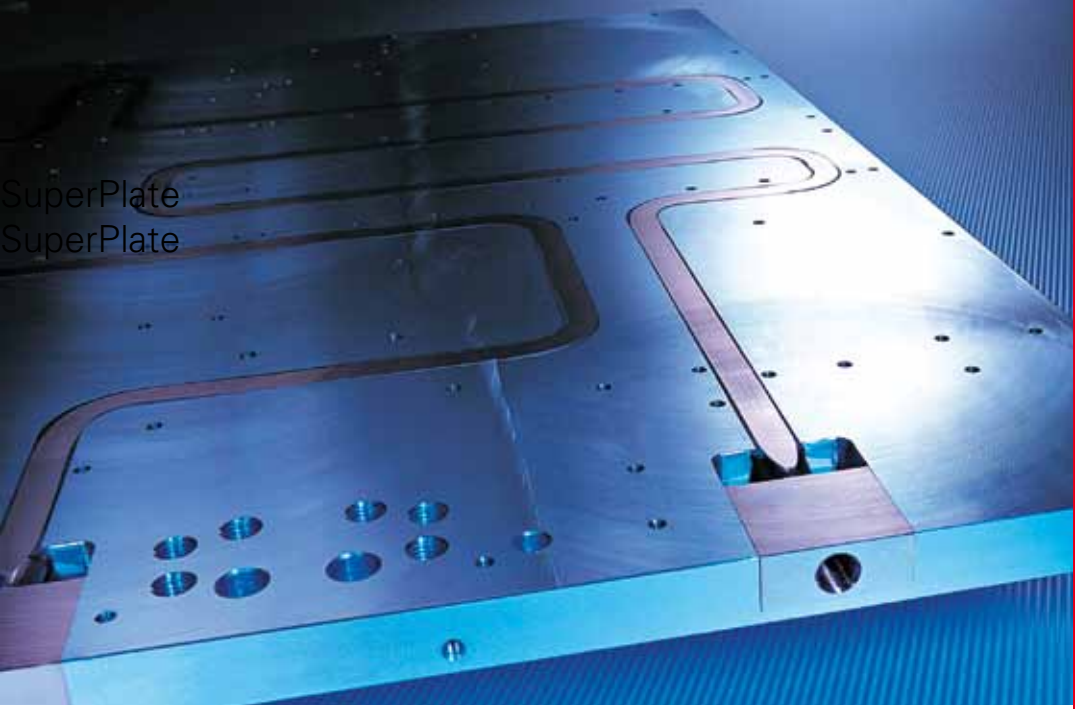
**MILLED
CHANNEL**
METAL TO METAL
VACUUM **BRAZING**
CUSTOM COOLING
PATH

SuperPlate

A wide range of liquid cooling plate are available in Pada Engineering. Aluminium or copper plate, copper or steel pipes, plugged pipes or deep holes or vacuum brazed cold plate (main shell with milled channel and a cover), customized path and/or inside fins/grid.

A complete set of **connectors** are available. Final pressure test from 8 till 30 bars.

SuperPlate
SuperPlate



Copper or steel pipe over moulding
aluminium plate



Single or double side cooling



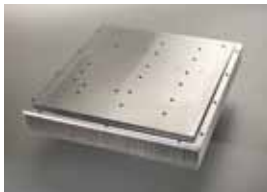
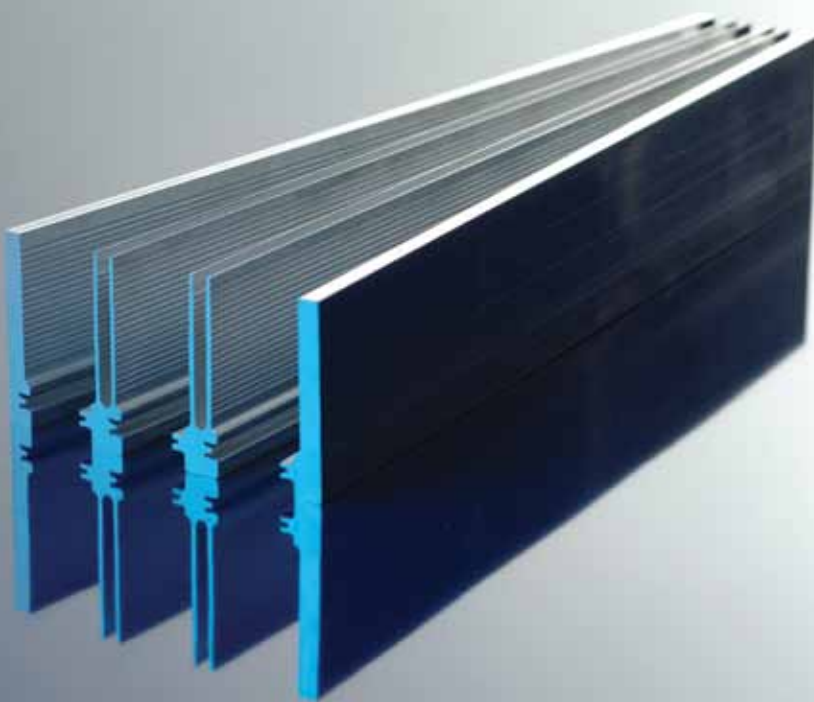
Aluminium grid between two covers



**COST
EFFECTIVE FOR
HIGH POWER
REDUCED VOLUME
AND WEIGHT
HIGH SURFACE
AREA**

High Efficiency Heatsink

Pada Engineering produce a complete line of high efficiency heatsink: base plate in aluminium or copper, fins in aluminium or copper. Fins can be pressed on the base plate **Superfin**, or packed **Superpower** or **Brazed**.



Brazed Aluminium



Mix copper plate and alluminium fins



Embedded heat pipes

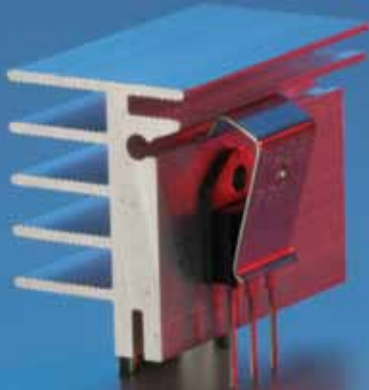


**SMALL
PACKAGING
SPECIAL COATING
SEVERAL CLIP
FORCE**

EasyClick System

Cost effective and easy to mount, our Easyclick complete program (heatsink + Clips) minimize your assembly process.

100% quality guarantee, our Clips are the only Hydrogen free. Special final coating to avoid any metal particles drift. Conform to automotive and any critical use.



Ready to use heatsinks



100% Quality process



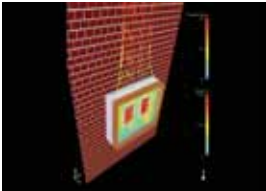
Steel or stainless steel



WIDE RANGE
ON STOCK
CUSTOM DESIGN
AVAILABLE

Extruded Heatsinks

The most popular extruded heatsinks profiles are available in our stock: more than **500 different shapes**. Any kind of machining/surface treatment and coating is possible.



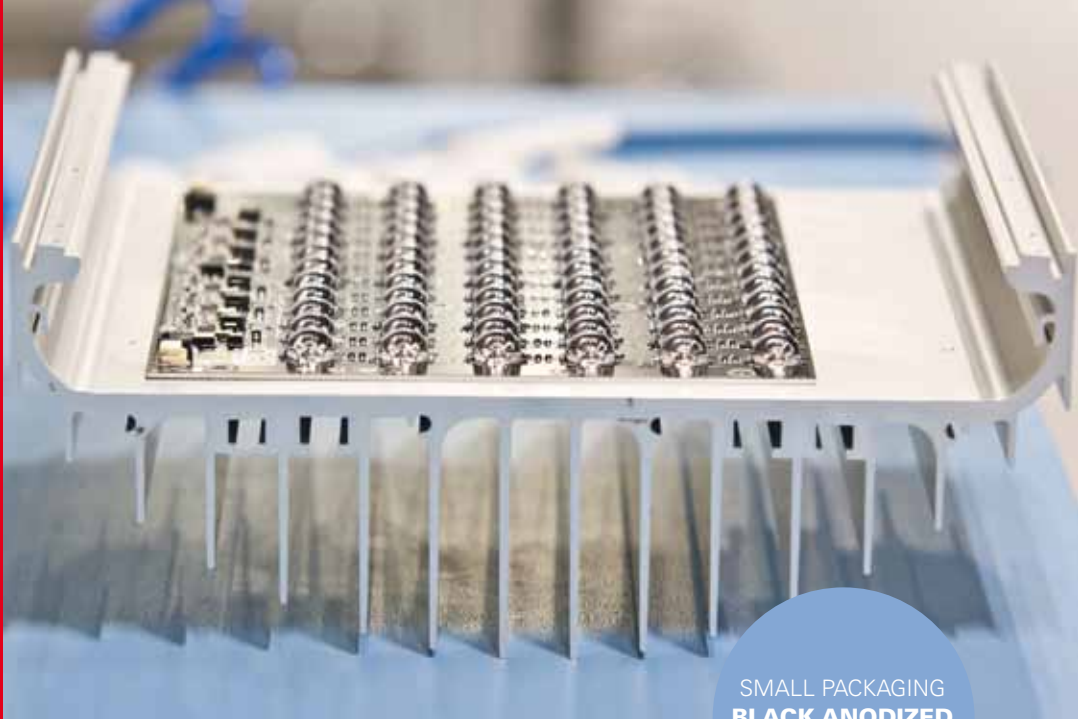
CAD/CAE/CFD analysis



Any kind of new profile on request



Completely finished products



SMALL PACKAGING
BLACK ANODIZED
SOLDERABLE PIN

Standard Heatsinks

Heatsinks for pcb are available in stock. Produced from aluminium/copper coils or through extruded profiles. Stainless, solderable coated pins are also available in most of them.



Most well-known heatsinks for PCB



Punched metal sheets



Extruded profiles



COST EFFECTIVE
COOLING UNIT
**REDUCED SPACE
AND WEIGHT**
LONGLIFE AND HIGH
RELIABILITY

Liquid Cooling Units

A new range of liquid cooling system named **"ICE"** is now available in Pada Engineering. Our system consists of a pump to circulate coolant, a liquid heat exchanger, an expansion tank, fan and all necessary electronics to take under control the temperature of your electronic system.

Several options like temperature, flow and pressure control, are available. Cooling capacity is from 500 W till 20 KW and more.



Custom design available



High thermal exchange features



100% quality components



SINCERT



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Pada produces heat sinks with the help of the sun. Technology and quality respecting the environment. More than 80% of the necessary energy to produce heat sinks is provided by our photovoltaic equipments. We produce around 400.000 KW per year of totally clean energy. Pada is proud to confirm to avoid to put in environment around 80Tons of CO2 per year.