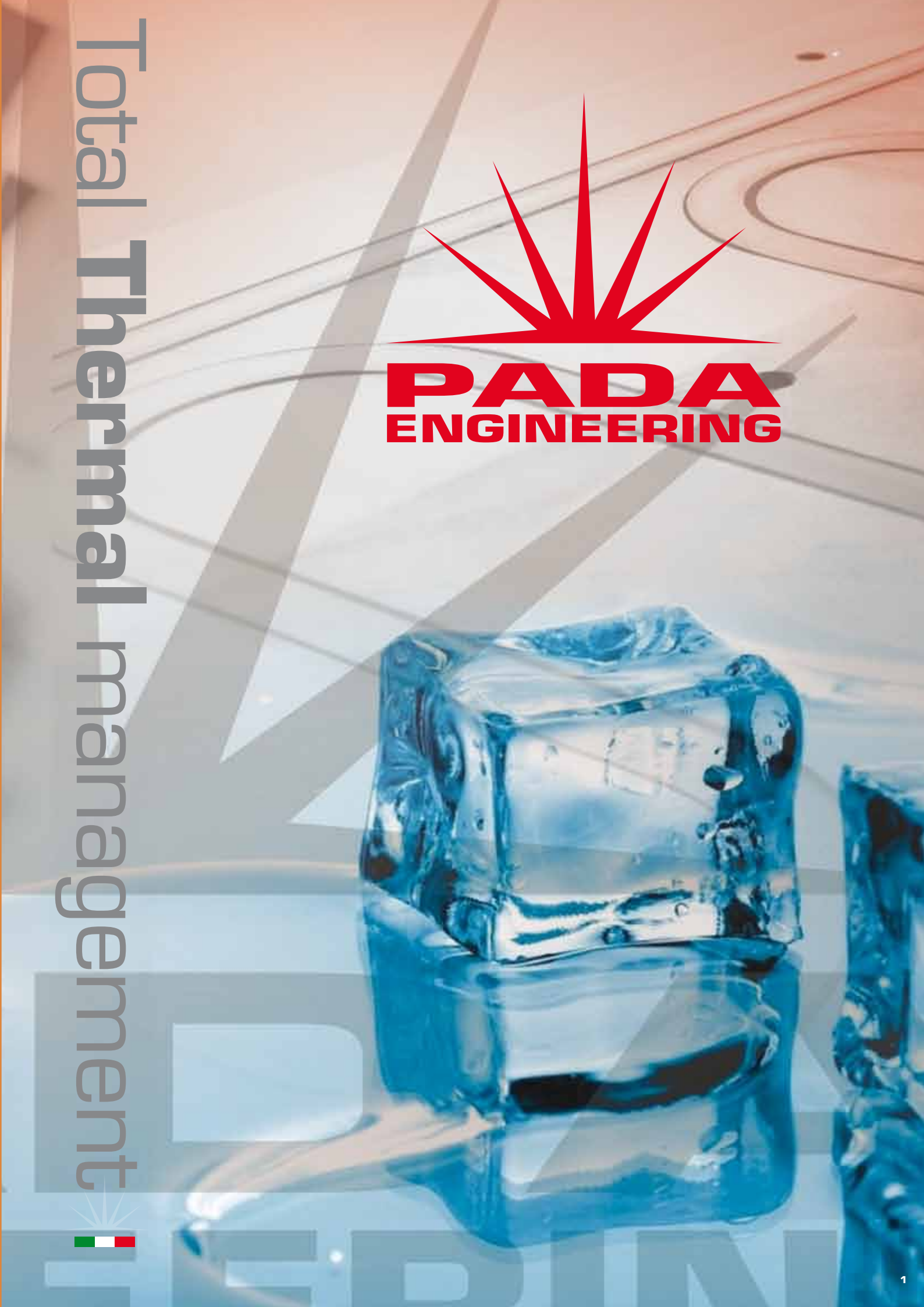
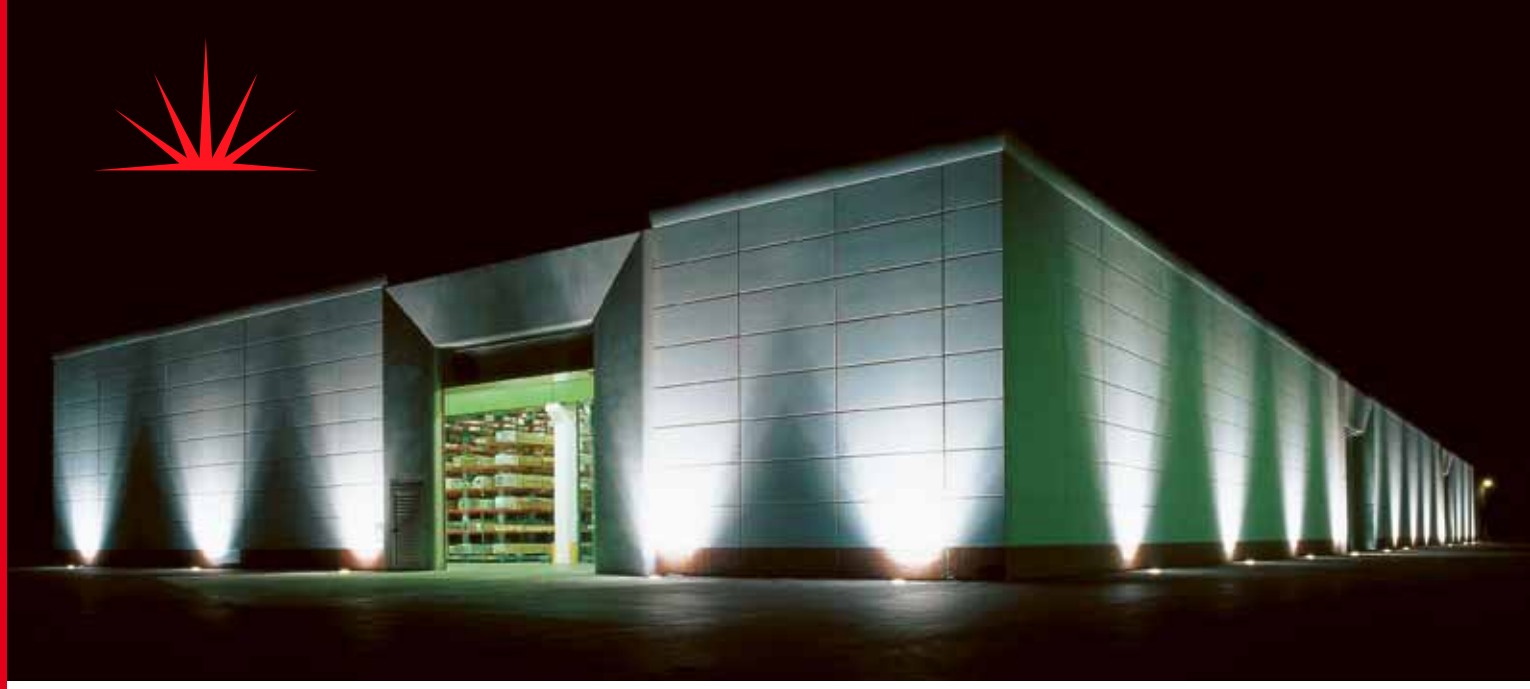
Total Thermal management

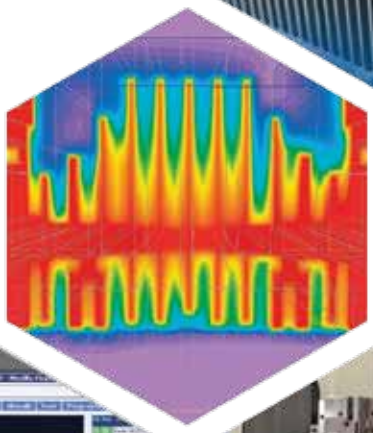
PADA ENGINEERING

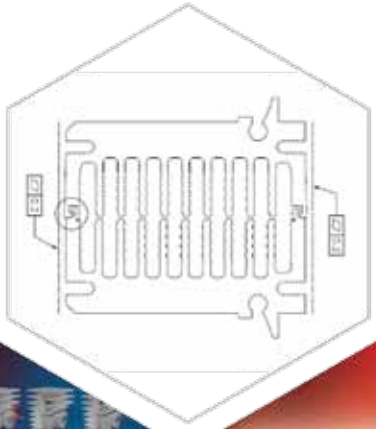


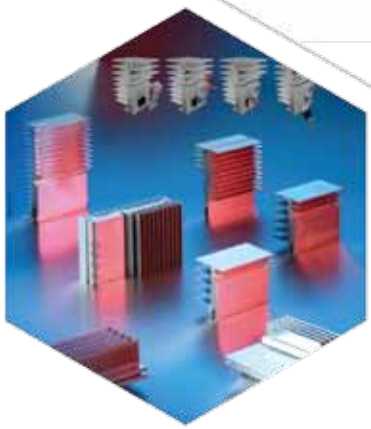


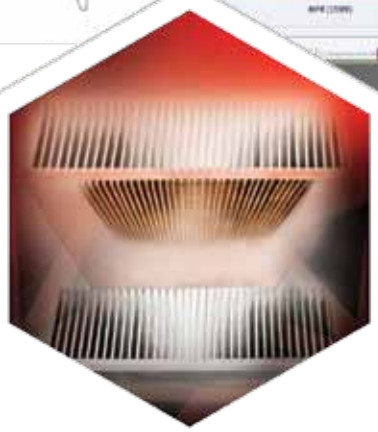
PadaEngineering

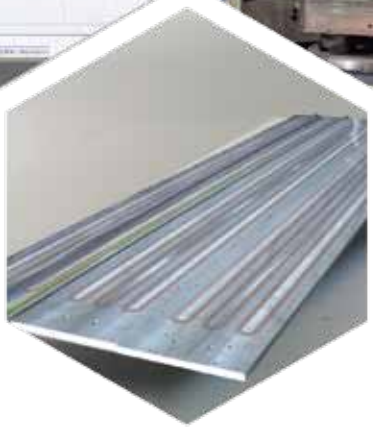
- ✓ THERMAL AND MECHANICAL ANALYSIS AND DESIGN
- ✓ FAST PROTOTYPING
- ✓ UP TO DATE CNC AND TECHNOLOGY
- ✓ CONTINUOUS QUALITY IMPROVEMENTS
- ✓ ISO 9001












LED


RAILWAY


AUTOMOTIVE


BROADCAST

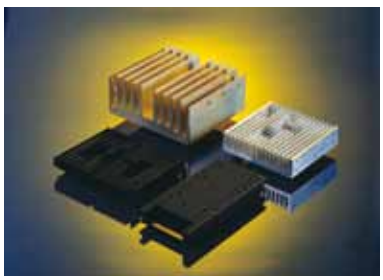
More than **40 year's** experience in customer specific cooling systems, design and production.


RENEWABLES


HOME APPLIANCES

Machining

Deep machining, extremely low mechanical tolerances, very high accuracy in planarity and roughness.

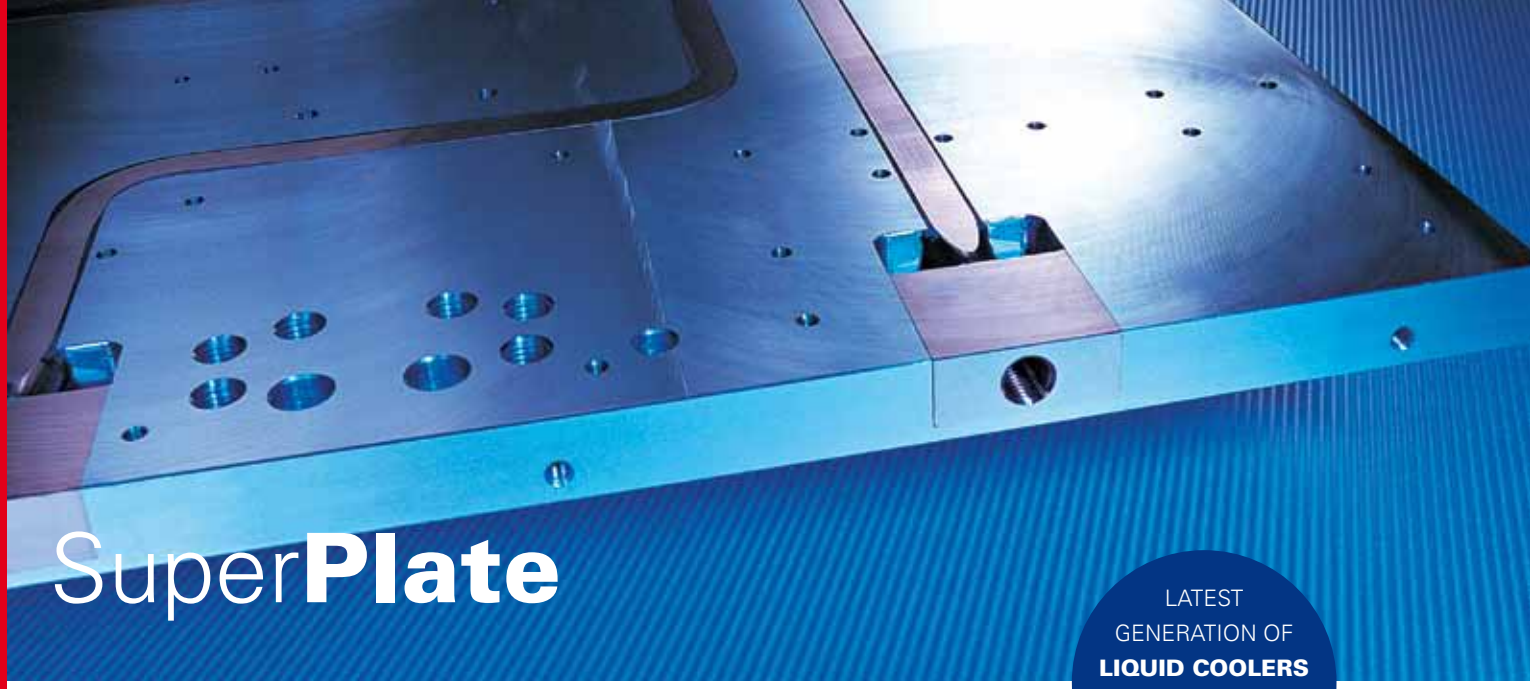


Coatings

Anodization, Painting, Surtec, High performances in aggressive Environments (Thousands hours in salty habitat).

Gasketing

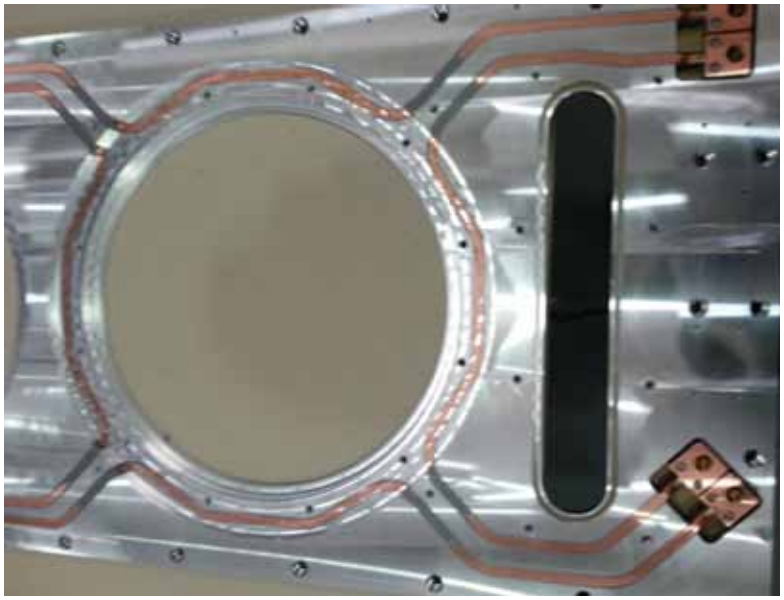
Customer specific path Gasketing, IP68xx protection, on flat surface/inside groove.



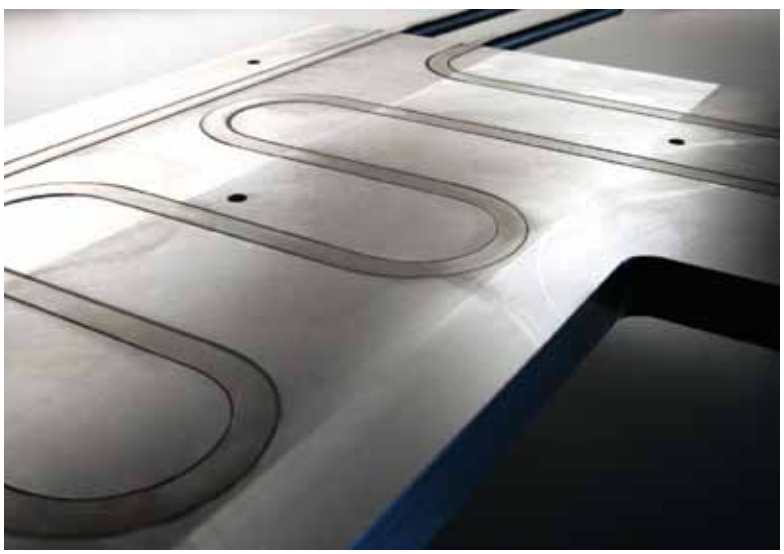
Super**Plate**

LATEST GENERATION OF **LIQUID COOLERS** FOR POWER **ELECTRONICS**

Special custom design Water Cooled Plates.

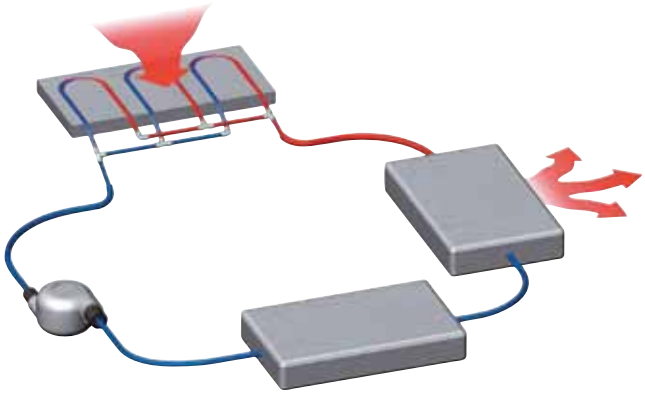


Stainless steel for aggresive fluids.



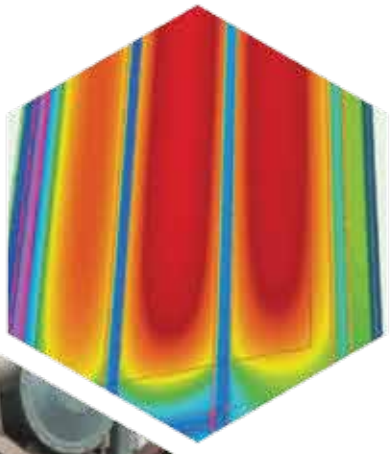
Copper pipes embedded in aluminium plates, in a rack application.

General Hydraulic schema



VACUUM BRAZING
TECHNOLOGY

FLUID AND HEAT
SOFTWARE SIMULATION

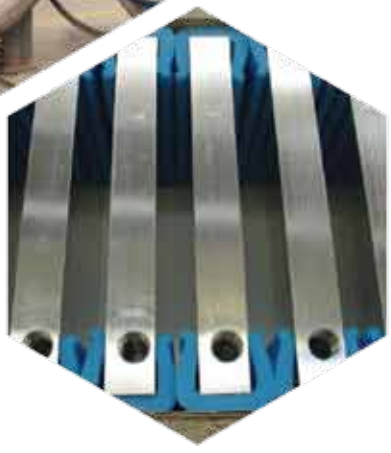


DEEP HOLES
TECHNOLOGY

Cost Efficient
Reliable
100% Nytrogen
pressure test

COPPER CUSTOM
SPECIFIC
COOLER

COPPER STANDARD
CONNECTORS
EMBEDDED



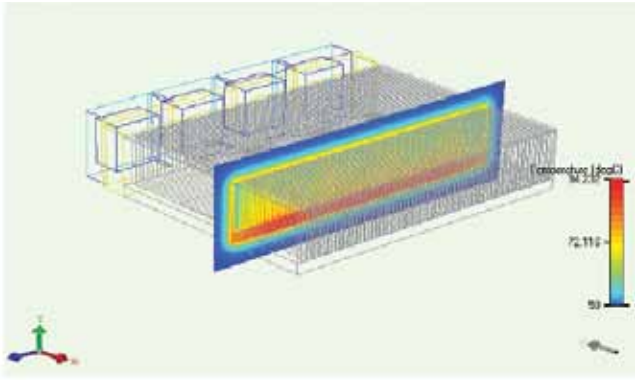
WOODEN BOXES
100% PROTECTED
PACKAGING

Super**Power**

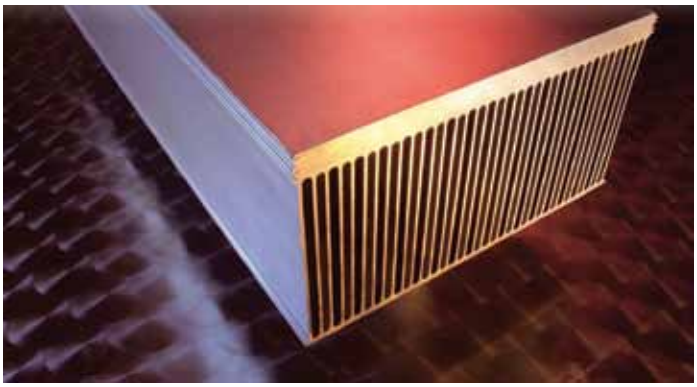
aluminium or copper

HIGH DENSITY FIN HEATSINK
HIGH DISSIPATION CAPABILITY
NO ASPECT RATIO RESTRICTIONS
VARIABLE PITCH

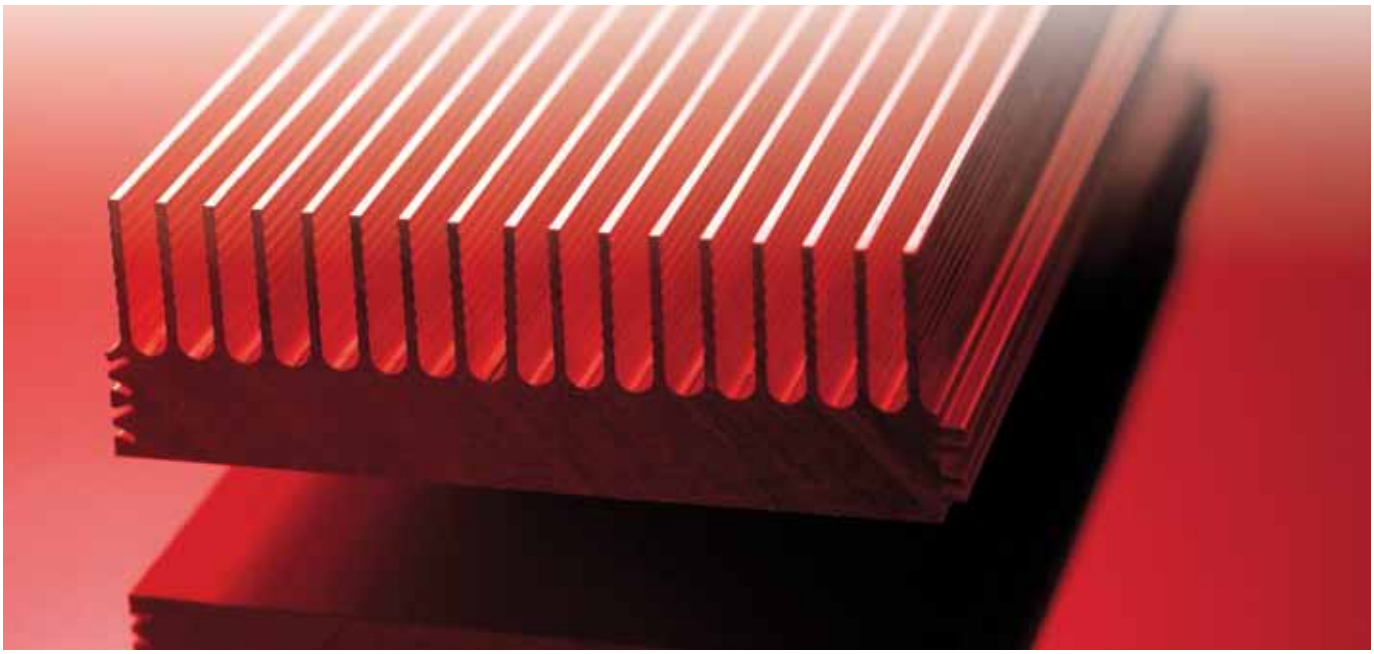
Detailed thermal analysis for temperature, flow rate, pressure drop, hot spot.

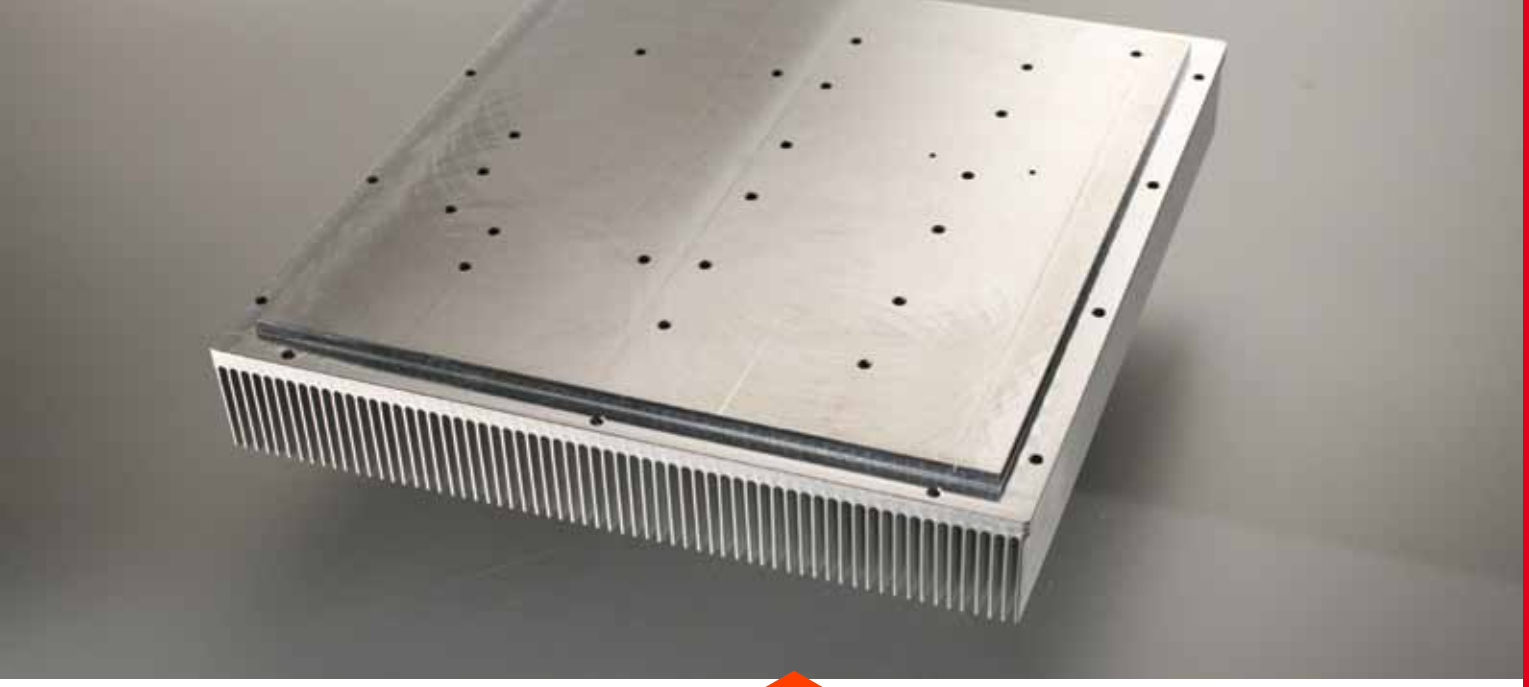


Single side, double side, air channels preformed.



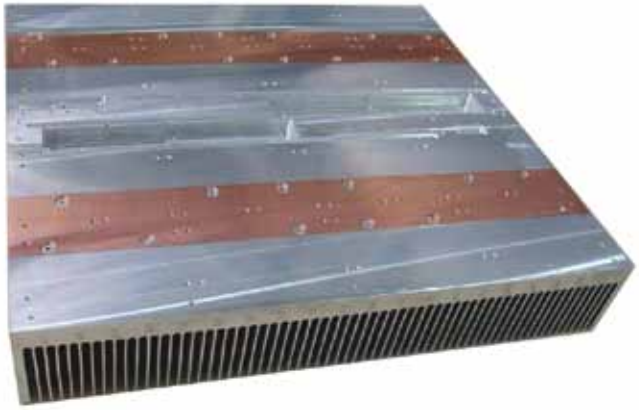
Fin design flexibility, custom shapes



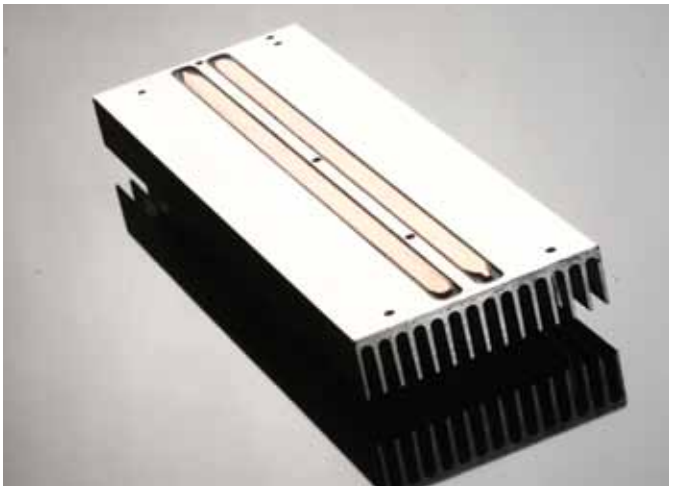


ASSEMBLED OR COLD BONDED LAMELLA

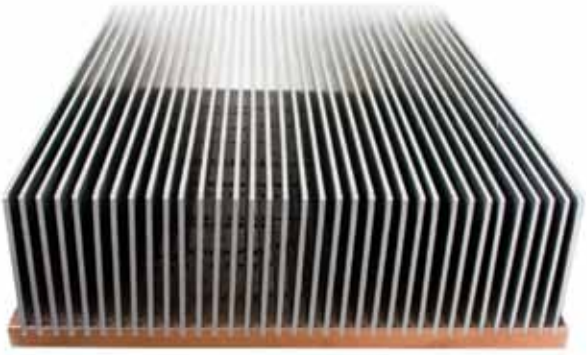
ALUMINIUM WITH **COPPER SPREADER**



ALUMINIUM WITH EMBEDDED **HEAT PIPES**



COPPER BASE PLATE WITH **ALUMINIUM FINS**

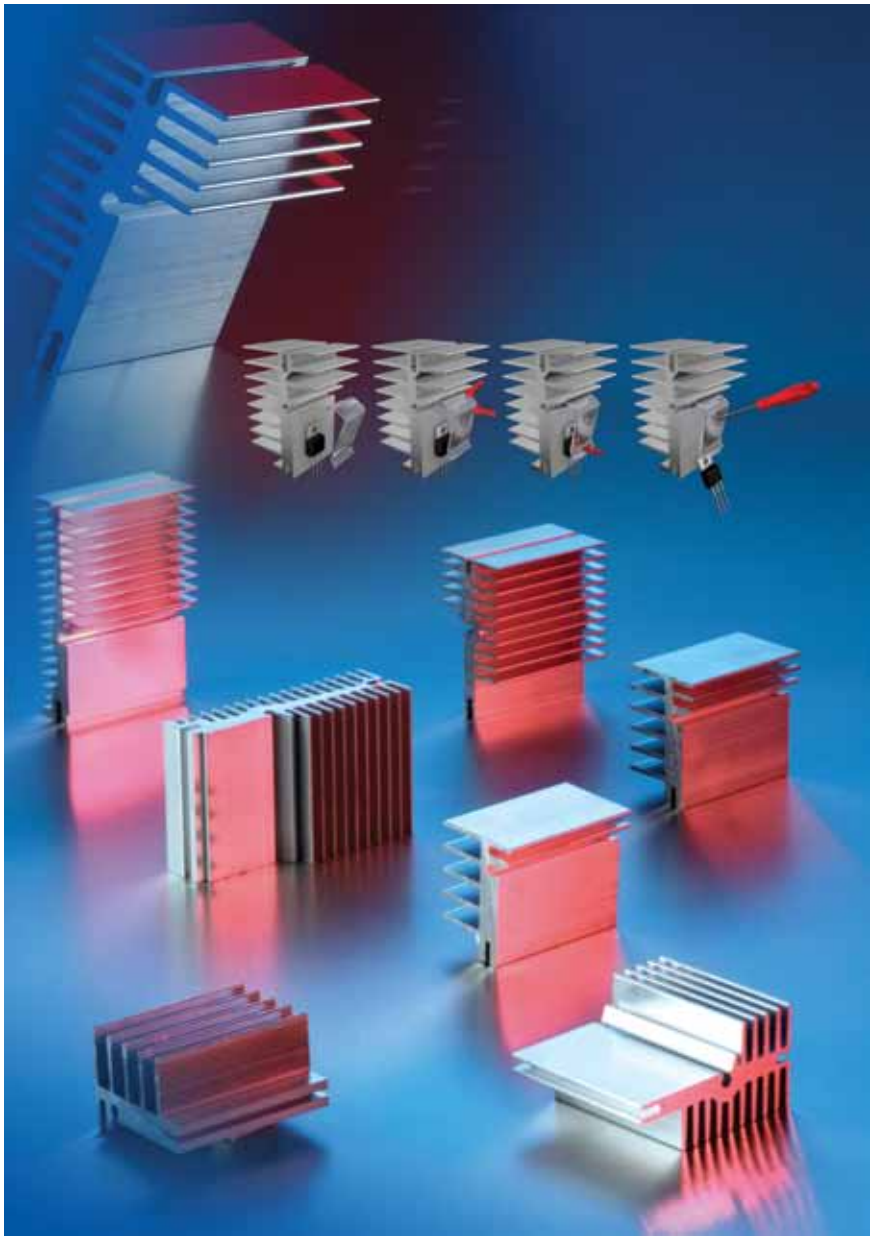


WHOLE COPPER HEATSINK

EasyClick

TRANSISTORS
CLAMPING
SMALL, LIGHT,
FAST, RELIABLE

Wide range of cost effective and smart heatsink for your electronic devices.



Just click in to mount

Just pull up to dismount

AVOID TROUBLE IN CASE OF VIBRATION

SAVE TIME IN **MOUNTING/ DISMOUNTING**

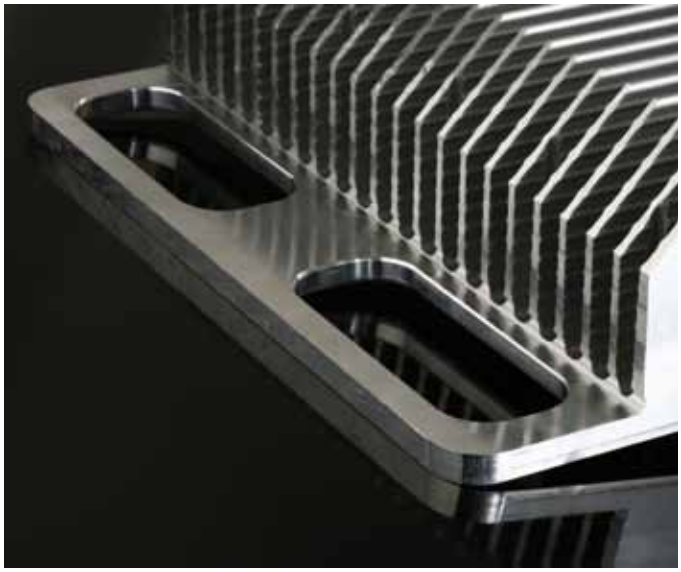
100% WARRANTY IN COMPONENT PRESSURE.

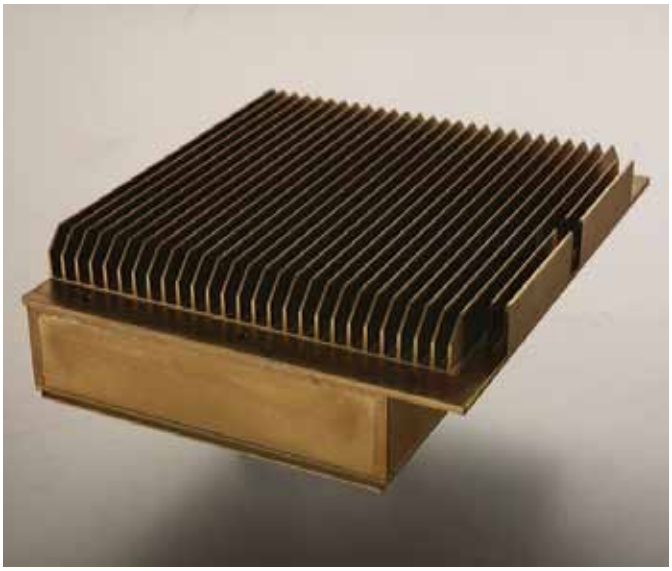
100%
QUALITY
PROCESS

ExtrudedHeatsinks

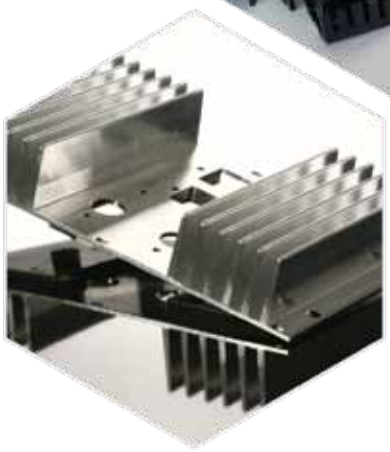
WIDE STOCK RANGE
CUSTOM DESIGN AVAILABLE

The most popular extruded heatsinks profiles are available in our stock: more than **800 different shapes**. Any kind of machining/surface treatment and coating is possible.



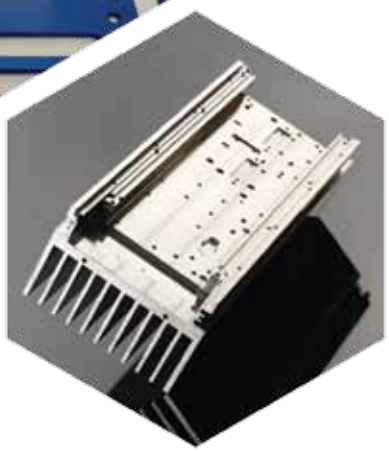


PROGRESSIVE STAMP AND **PUNCHED** HEATSINK



ANY KIND OF **NEW PROFILE UPON REQUEST**

COMPLETELY FINISHED PRODUCTS



PCB-**Standard**Heatsinks

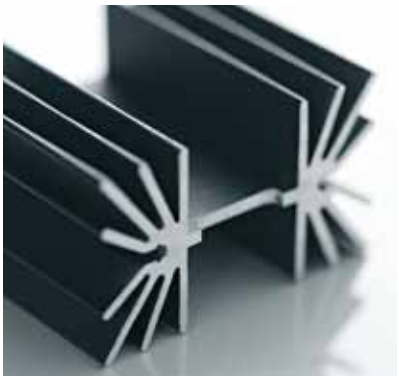
SMALL PACKAGING
BLACK ANODIZED
SOLDERABLE PIN

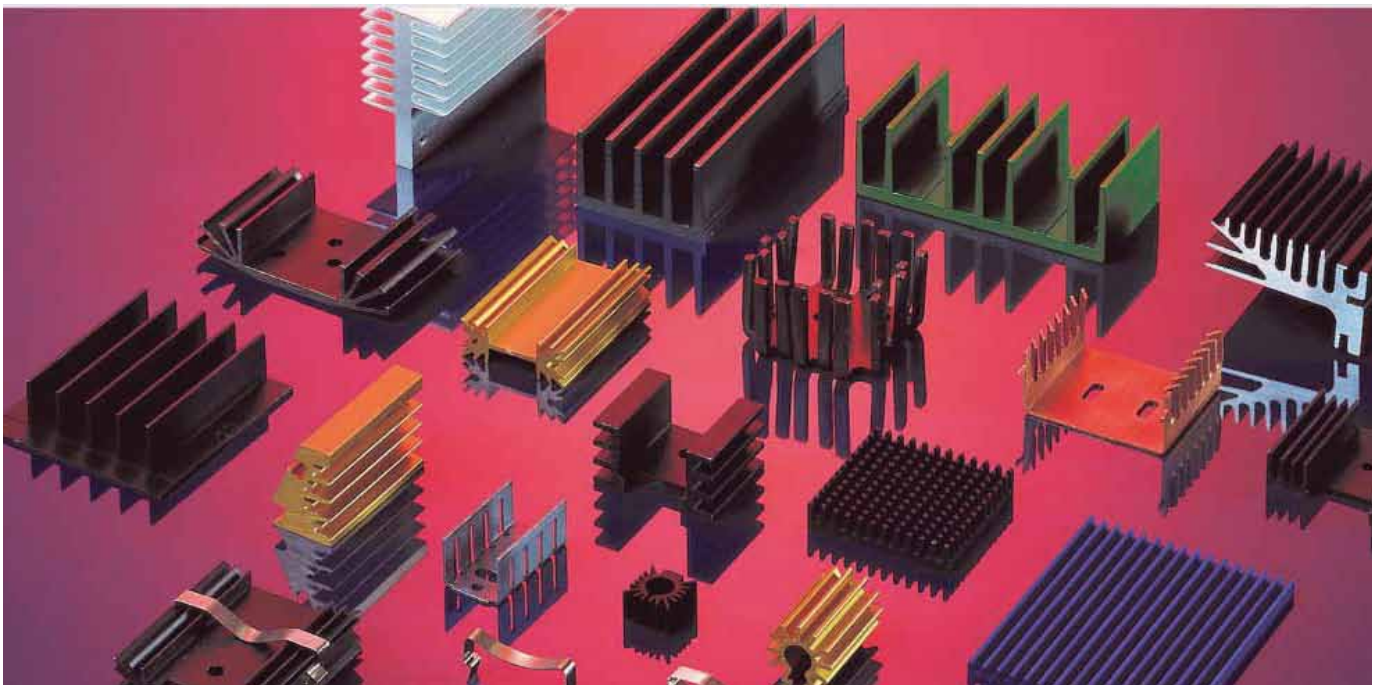
Heatsinks for pcb are available in stock. Produced from aluminium/copper coils or through extruded profiles. Stainless, solderable coated pins are also available in most of them.

Most well-known heatsinks for PCB

Punched metal sheets

Extruded profiles





Liquid CoolingUnits

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

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

PERFORMANCE
Cooling capacity1 ,3000 Watts
Flow Rate 3 lpm @ 3 bar

OPERATION
Coolant Water or Water/Glycol
Operational temperature range2 5°C to 40°C
Storage temperature range (w/o coolant)
-25°C to 70°C
Humidity range 20% to 80%
Input Voltage 230 VAC
Frequency 50/60 Hz
Noise < 67 dB(A)

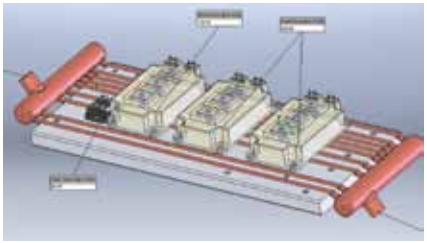
PHYSICAL
Dimensions 42x35x19 cm
Weight (no coolant) 12 kg
Coolant Capacity- Stainless steel tank 4.0 L

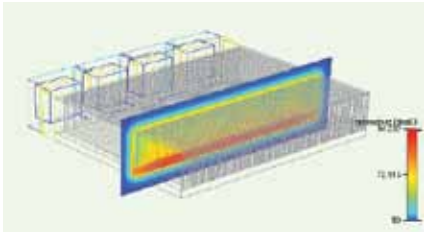
FROM DESIGN TO **FINISH** PRODUCT

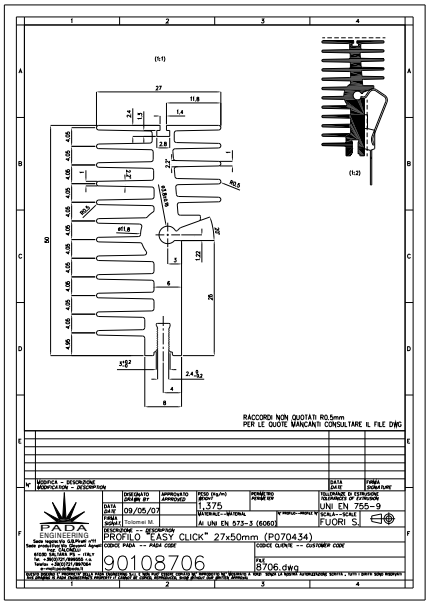
DESIGN

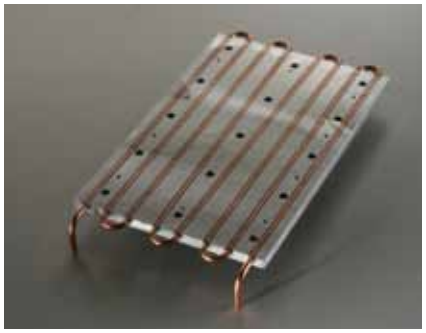
THERMAL/
MECHANICAL
ANALYSIS

Finish **PRODUCT**









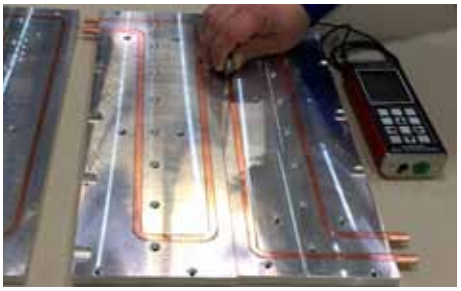
SPECIAL PRODUCT

GASKETING

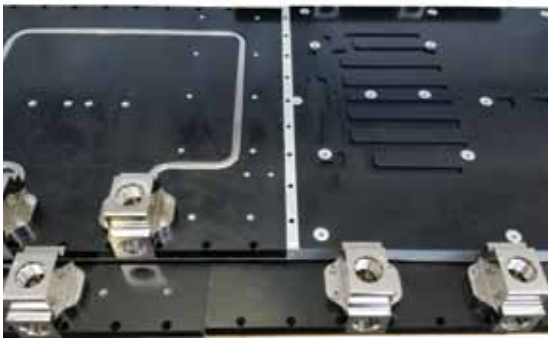
INSULATED HEATSINK

TEST/MEASUREMENT MACHINES

ULTRASOUND THICKNESS TEST DEVICE



PRESSURE TEST SYSTEM



3D MEASUREMENT SYSTEM

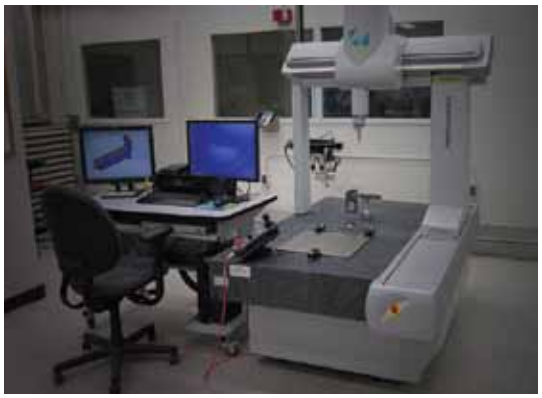
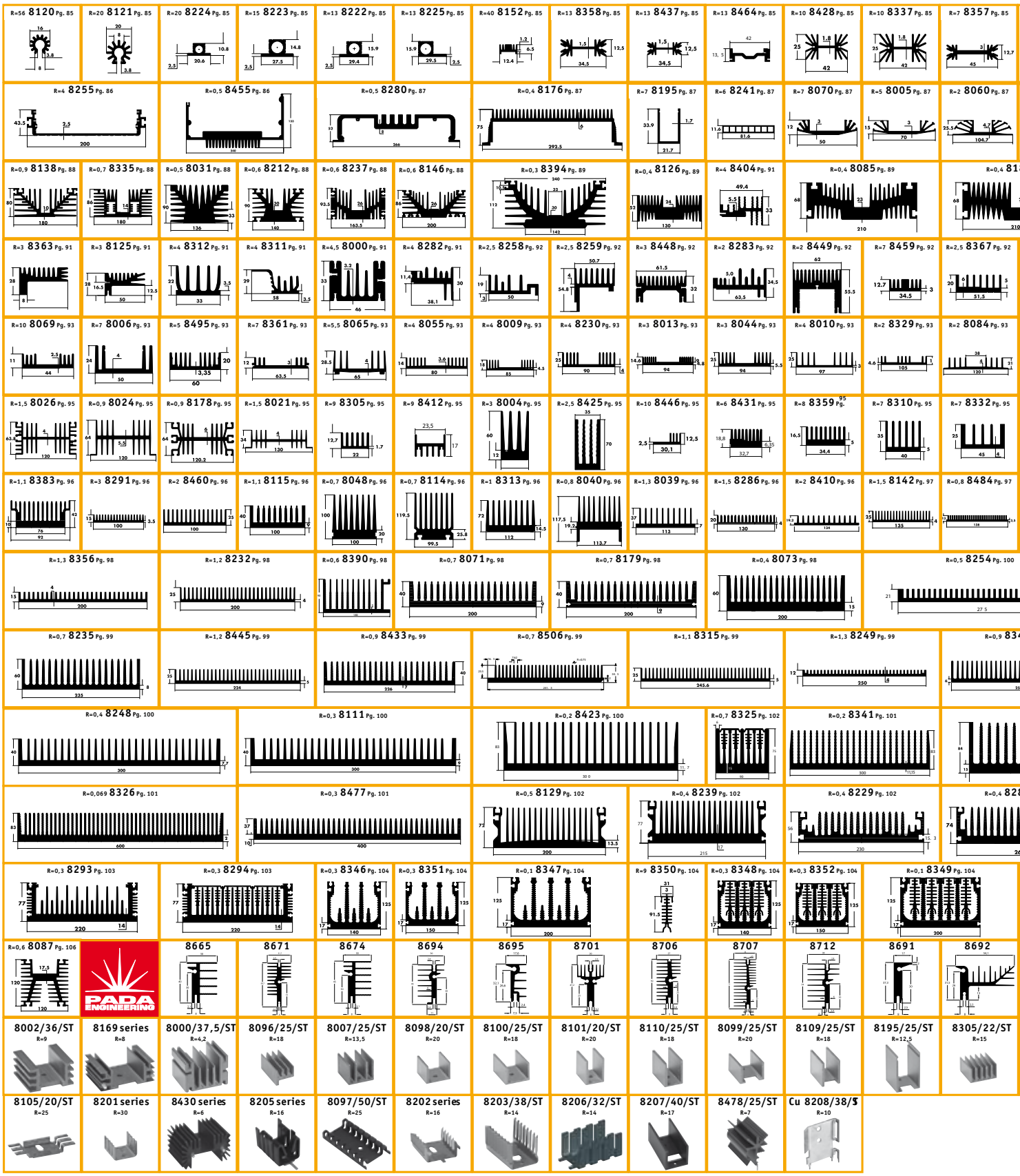
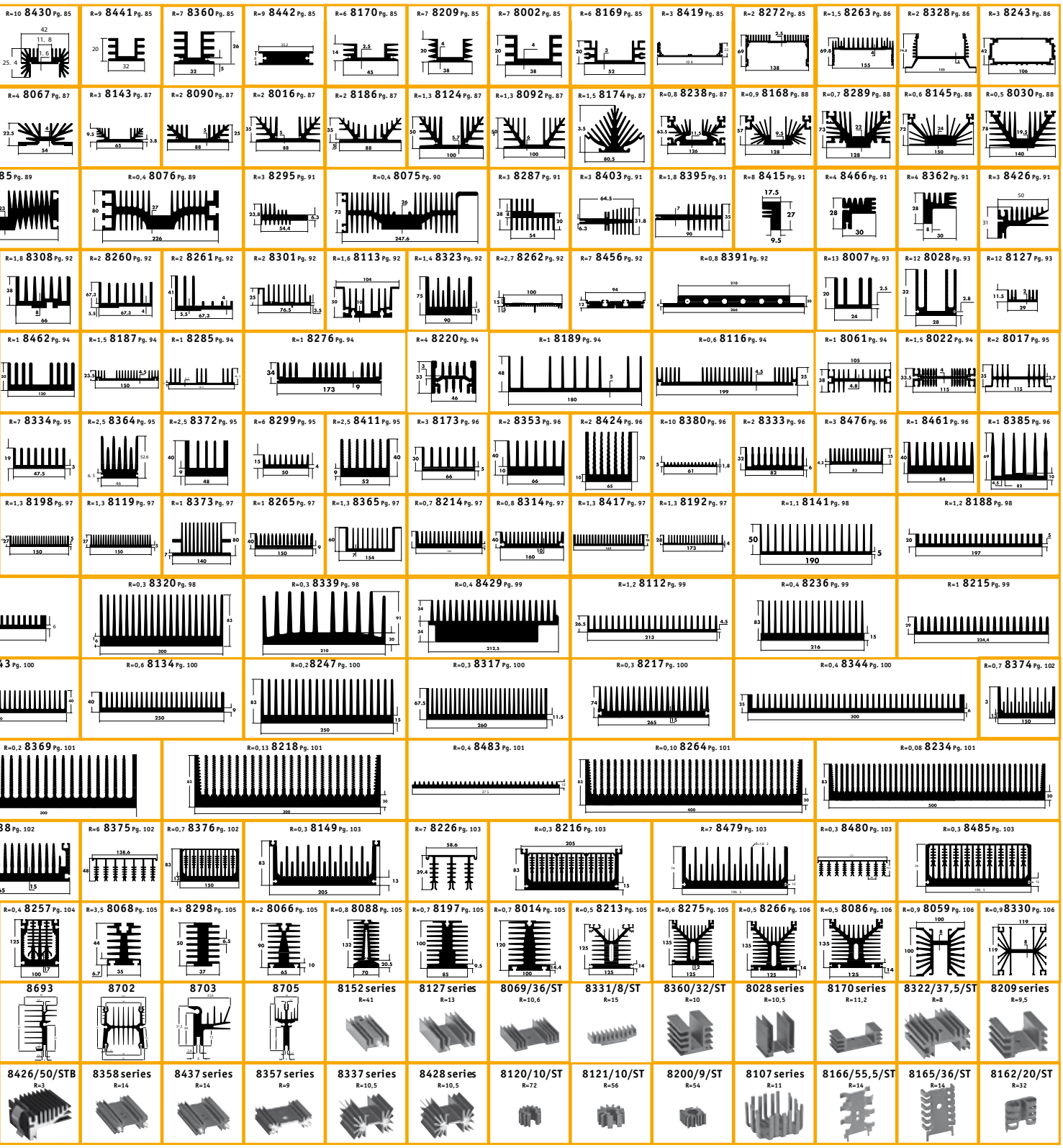
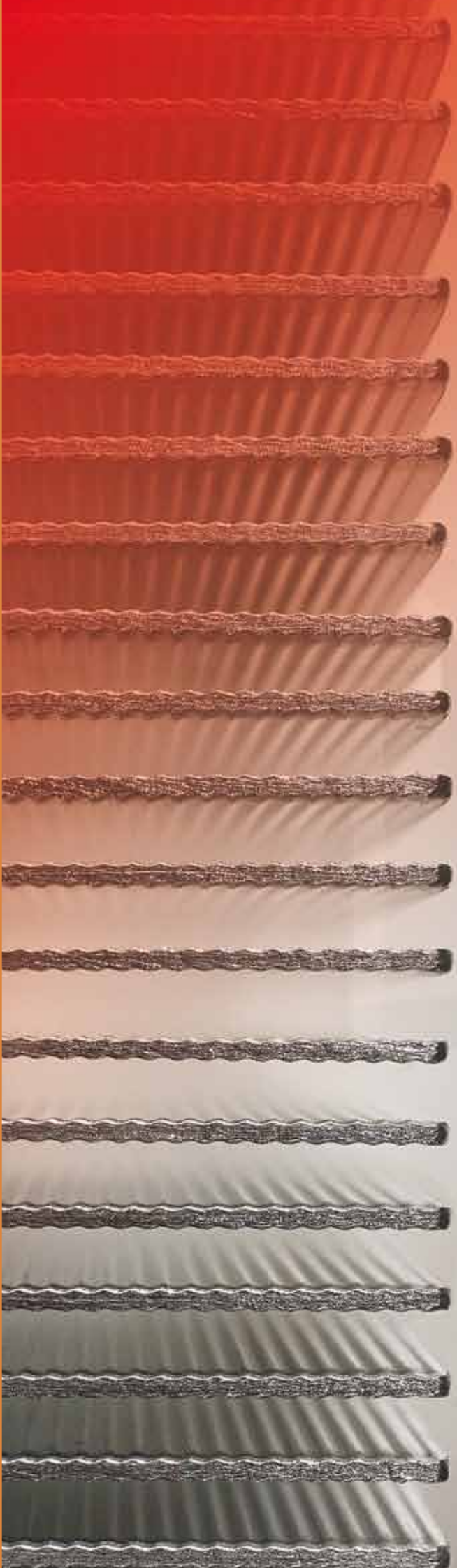


TABLE OF EXTRUDED AND



STANDARD HEAT SINKS





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61036 - COLLI AL METAURO (PU)
ITALY

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Fax +39 0721 897064

pada@pada.it
www.padaengineering.com

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 80 Tons of CO2 per year.