



HEAT SINKS

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An efficient production depends on precise and efficient equipment. Newtronic knows that. We distribute a wide range of quality solutions within heat sinks and thermally conductive materials for the industry.



# HEAT SINKS

## HEATSINKS

- EXTRUDED
- EASYCLICK
- SUPERPOWER
- SUPERPLATE
- STANDART

## THERMALLY CONDUCTIVE MATERIALS

- THIN FILM
- PASTA
- PUNCHED PADS
- PHASE CHANGE MATERIAL
- GAP PADS / FILLER
- HOODS AND PIPES



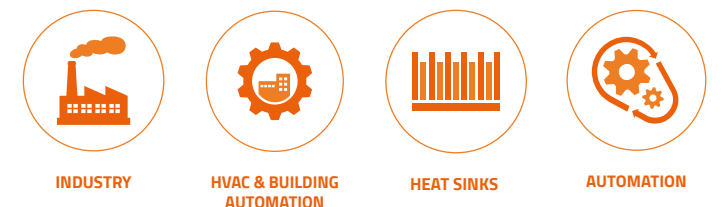
## CREATING SUCCESS TOGETHER

Newtronic is about people. It is vital that our employees believe in Newtronic and are happy to work here. It is equally important that our business partners are happy to do business with us. That goes for those who produce our products as well as for you, who are using our solutions. We ensure that through openness, honesty and dialogue.



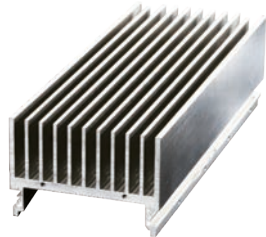
Our focus is always **THE SOLUTION**. Often, we can find a good solution together with our business partners. But sometimes we can't supply the optimal solution. Therefore we have an open partnership with a range of businesses that are able to supply the solutions, that we can't.

We distribute electrical heating products and -solutions, sensors, controllers, heat sinks and thermally conductive materials. Our business is divided into four areas:



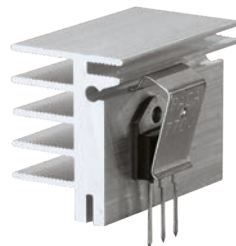
## HEAT SINKS

### EXTRUDED



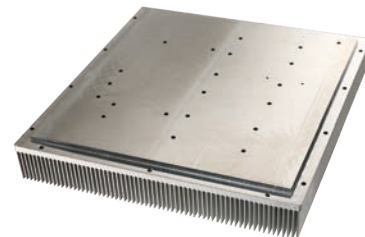
Heat sinks are cut and delivered in custom length. Customization with holes, drilling, milling and surface treatment is possible.

### EASYCLICK



The EasyClick system combines a heat sink and a clip and ensures quick and easy mounting of e.g. TO-220 and TO-247 components. The system has the same effect for heat transfer between heat sink and component as conventional, screw connected systems. But EasyClick has substantial productive advantages.

### SUPERPOWER



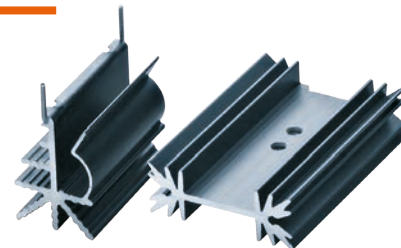
Heat sinks for Power electronics with special demands for heat distribution. SuperPower heat sinks are made from aluminum or copper ribs that are put together with a thoroughly tested and patented method. A special resin is used at the joints of the ribs which ensures a good heat distribution and make the heat sink resilient against mechanical resistance.

### SUPERPLATE



SuperPlate is a cooling plate that uses fluids (typically water) or pressured air as an active cooling media. Leads away the heat from relatively small surfaces quickly and efficiently.

### STANDART



For various PCB applications Newtronic uses a broad range of Standart heat sinks. The heat sinks are black anodized with holes and solderable pins for quick and uniform mounting. It is a time saving solution since many of the heat sinks can also be clip mounted.

**A GOOD  
SOLUTION  
FITS YOU**

## THERMALLY CONDUCTIVE MATERIALS

### THIN FILM



Thin Film is available in silicone, Kapton, PSA and acrylic materials with different qualities. They have very efficient thermally conductive qualities and high electrical insulation properties.

### PASTA



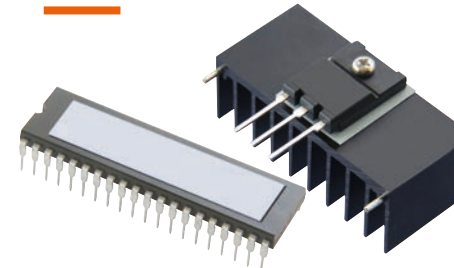
Heat conductive pasta makes a unique connection between any calorific semiconductor and heat sink, e.g. in converters, CPU's, telecommunication equipment etc.

### PUNCHED PADS



Large range of punched pads in many different shapes and sizes. Custom made shapes are also an option.

### PHASE CHANGE MATERIAL



Phase Change Material (PCM) is a film with a phase change coating. That means that the material is firm at room temperature but melts at higher temperatures and thereby reaches a low thermal contact with the abutment surfaces. We offer a broad range of PCM for a number of applications.

### GAP PADS / FILLER



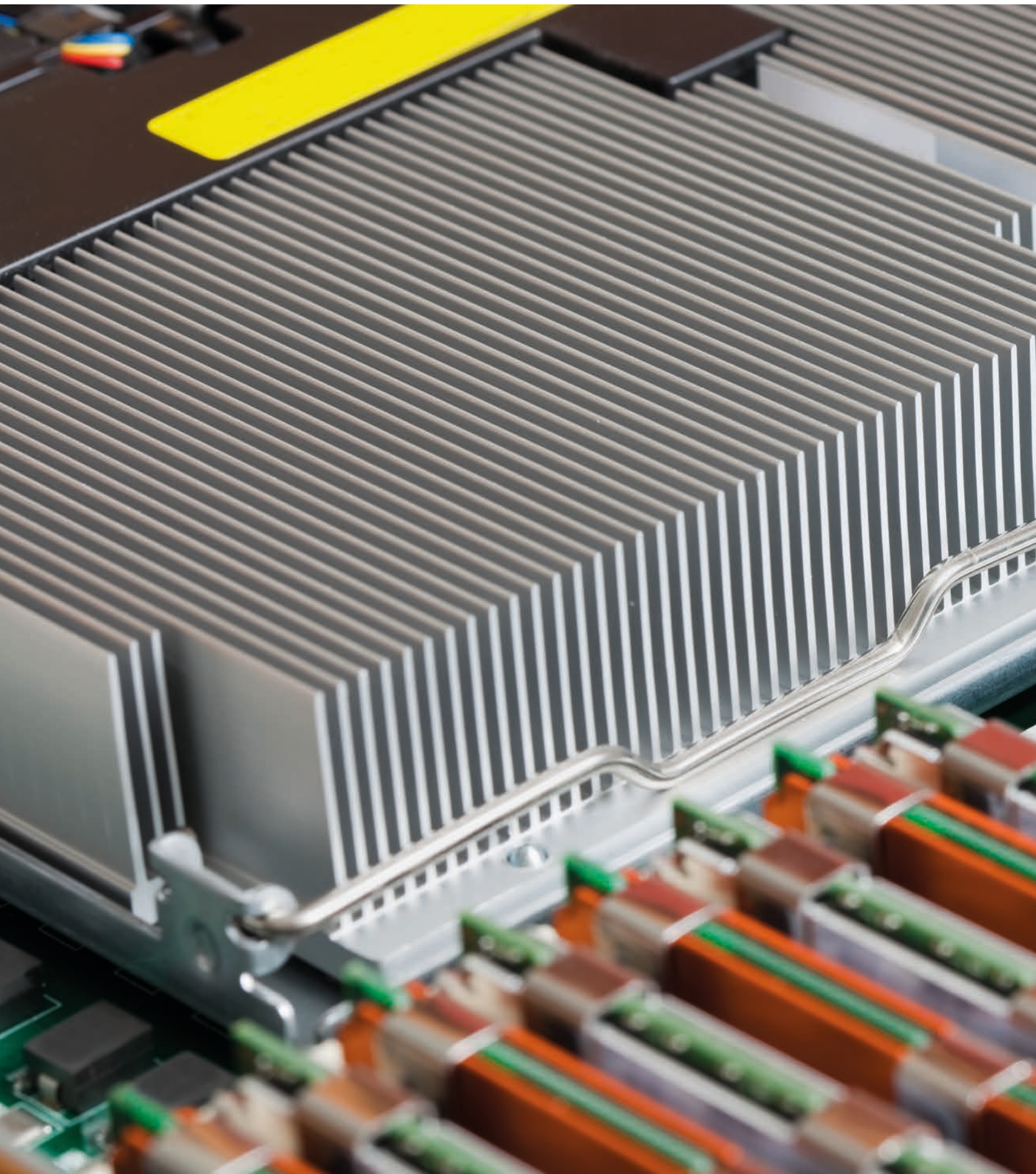
Ideal for sealing transoms, air holes and uneven surfaces, e.g. between heat sinks and components. The material is very flexible with efficient thermally conductive qualities.

### HOODS AND PIPES



Hoods and pipes with good thermal and mechanical qualities and excellent electric insulation qualities. Simply installed by sliding it over the component.





Tecnoal has produced heat sinks for more than 30 years. They make both standard and custom products.

[www.tecnoal.it](http://www.tecnoal.it)

## CREATING SUCCESS TOGETHER

### OUR PARTNERS

At Newtronic we have skipped the terms "supplier" and "customer." Instead we see business partners. That is because we believe that it takes a strong cooperation to come up with the optimal solutions for the challenges of the industry.

We have high demands for our internal business partners who make our products. We regularly visit the production sites across Europe to stay up to date with the latest knowledge about the products and to ensure an optimal cooperation. That way we are always in line with our partners.

When you do business with us you always know who has produced your product. We ensure transparency and guarantee that the manufacturers that we work with deliver top quality.





INDUSTRY

HVAC & BUILDING  
AUTOMATION

HEAT SINKS



AUTOMATION

Newtronic counsel, design and distribute solutions within electrical heating, sensors, controllers, heat sinks and thermally conductive material. The challenges are often complex, but we aim to make the process as uncomplicated as possible. We believe in a close dialogue with our business partners.

Because we know,  
that a good solutions fits you.

[www.newtronic.eu](http://www.newtronic.eu)  
[www.newtronic-online.dk](http://www.newtronic-online.dk)

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