

As a specialized full-service provider of EMC shielding materials and thermally conductive products (TCP) **mtc** supports its customers from professional technical consulting to customer-specific development and intelligent logistics.

For more than 25 years, **mtc** customers have been appreciating the consistently high product quality as well as the personal commitment and know-how of the **mtc** team.

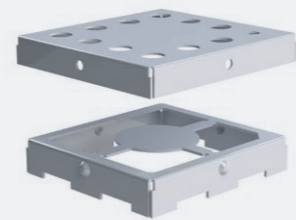
- Excellent service
- High customer orientation
- Fast response times
- Fast sampling service
- Efficient in-house logistics

SERVICE & QUALITY

Technical and Value-Added Services

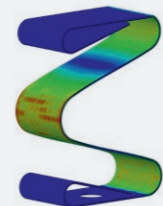
3D and 2D Design

- Concept development
- Design to application
- Close cooperation with the customer
- 3D design
- Documentation



FEA Simulation

- Simulation studies
- Design evaluation during the development
- Compression force and spring range verification
- Design optimization
- Simulation in the customer's environment



Measurement and Quality Control

- Verification of simulation results
- Force deflection diagrams
- Lifecycle tests
- Material tests
- Shore hardness tests
- Digital imaging based quality control



www.mtc.de



mtc[®]
EMC & THERMAL SOLUTIONS

MTC Micro Tech Components GmbH
Hausener Straße 9
89407 Dillingen
Germany

Phone +49 (0) 9071 7945-0
Fax +49 (0) 9071 7945-20
Email info@mtc.de
Web www.mtc.de

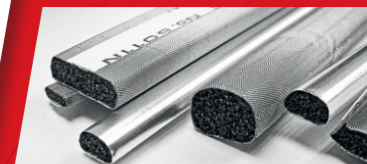
TAILORED **EMC & THERMAL** SOLUTIONS

mtc[®]

GERMANY / HONGKONG / KOREA



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EMC SHIELDING MATERIALS



EMC METAL PARTS

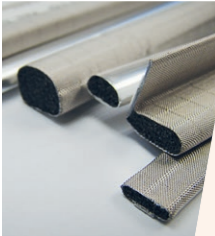


THERMALLY CONDUCTIVE PRODUCTS

PORTFOLIO
PRODUCTS & SERVICES


EMC Shielding Materials

Fabric-/Foil over Foam Gaskets




mtc's fabric-/foil over foam gaskets are available in a lot of sizes and shapes. Customer-specific dimensions can be supplied at low cost.

Punched Parts




mtc manufactures customized die-cut parts out of different basic materials, such as fabrics and fleeces. The offer also includes standard gaskets for D-Sub.

Conductive Elastomers



Beside excellent electrical properties, elastomers offer a high environmental protection. Stamped parts are delivered according to customer requirements.

Shielded Windows



Shielded windows are manufactured according to customer specifications. **mtc** provides laminated-, die-casted and ITO coated glass/plastic windows.

Clip-on and EPDM-Profiles



mtc offers EMC gaskets based on EPDM/rubber, such as hollow chamber-, clip-on and solid profiles which are available on rolls and in any length.

Conductive Foam



Foam gaskets are available in a wide range of standard dimensions – either as thin sheet material or as customized stampings.

Knitted Wire Gaskets



mtc's product range includes both all metal mesh gaskets and knitted wire over elastomer gaskets. Customer-specific dimensions can be manufactured.

Honeycomb Vent Panels/Fan Vents



mtc offers honeycomb vent panels and fan vents in various configurations for electromagnetic shielding in combination with excellent thermal flow.

IP/EMC Gaskets (Combi Gaskets)



IP/EMC gaskets are ideal for the protection against environmental influences, such as dust and moisture. They are mainly used in outdoor areas.

Conductive Fabrics and Fleeces



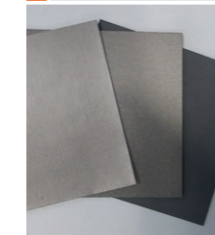
Fabrics and fleeces have good attenuation properties and are suitable for further processing or for shielding entire rooms.

Conductive Tapes



Depending on customer request, conductive tapes are available in different materials, width and length. Cuttings are also possible.

Microwave Absorbers



mtc provides a variety of absorbers. They are used where the energy of high-frequency signals is converted into heat and reflections should be avoided.

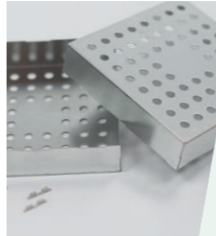
EMC Metal Parts

Contact Springs




mtc offers a variety of contact springs with different mounting options. Customized contact springs can be supplied on request.

Board Level Shields/Shielding Clips




To shield the interference source directly on the printed circuit board, **mtc** provides one-piece and two-piece shields with suitable frames or shielding clips.

SMD Contact Springs



mtc's offer includes a wide range of standard and customized SMD contact springs. They are ideal for the automatic assembly on printed circuit boards.


SMD Contact Pads



SMD contact pads are exclusively used on the printed circuit board. They are characterized by excellent electrical and physical properties.

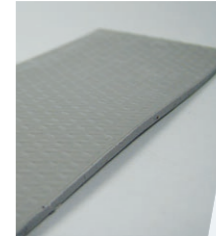
Thermally Conductive Products (TCP)

Thermally Conductive Paste




Thermally conductive paste is characterized by its excellent thermal properties. It is offered in dispensable and paste-like quality.

Thermally Conductive Insulators




Thermally conductive insulators are mainly used with power transistors. They consist of fibre glass reinforced silicone and are available in different thicknesses.

Thermally Conductive Gap Filler




mtc's gap fillers are based on silicone and are filled with ceramic material. They are available in a variety of types for filling small, medium and large gaps.

Phase Change Material



Phase Change Material is a wax-based thermal interface material. It is available in different material thicknesses and delivery forms.

Thermally Conductive Adhesive Tapes



Thermally conductive adhesive tapes are used to glue the heat sink with the hot component. Normally no additional mounting material is necessary.