We are your competent design-in partner in the field of EMC & Thermal Management. You will benefit from the long-standing experience and the extensive know-how of our specialists when developing complex and demanding applications.

We advise you personally and individually. Together we will find the best solution for your application and deliver the suitable product for you.

Take advantage of the services of MTC for the successful implementation of your projects. Give us a call!

ADVICE & TECHNICAL SUPPORT

- Special knowledge in the fields of EMC, thermal management and metal products
- 25 years of experience
- Product recommendations
- Continuing education

DEVELOPMENT SUPPORT

- Customer and practice-oriented solutions
- On-site consulting
- Optimization of existing applications
- Advice on material selection
- Design support

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- Customer and practice-oriented solutions
- On-site consulting
- Optimization of existing applications
- Advice on material selection
- Design support
We are looking forward to your challenge!
What can we do for you?
from the first idea to series production.

**strong and reliable partner**

MTC guarantees that with the use of latest 3D design software, in many successful and professionalism already proved our made solution manufacture your individual and tailor-made products, we develop and

In addition to our extensive portfolio of standard products, we develop and manufacture products that fit our individual and tailor-made solutions on request. We would primarily like to provide our years of experience and our professionalism to many successful customer projects.

Our high-quality standards, combined with the use of CAD design software, guarantees that MTC is going to be a strong and reliable partner in your side – from the first idea to series production.

What can we do for you?
We are glad to be here for you!

**DESIGN & DEVELOPMENT**

- Concept development
- Creation of 3D models
- Construction according to customer specifications
- Calculation using FEA / FEM methods
- Project-related design support

**TECHNICAL DOCUMENTATION**

- Functional and manufacturing analysis
- Creation of functional drawings
- Detailed manufacturing drawings
- Creation of guidelines

**CAD DESIGN**

- Concept development
- Creation of 3D models
- Construction according to customer specifications
- Calculation using FEA / FEM methods
- Project-related design support

**FEA / FEM SIMULATION**

- Simulation according to customer specifications
- FEA / FEM simulation method
- Simulation of stress analysis
- Spring force and deflection control
- Design evaluation and optimization during the development process

**SIMULATION STUDIES**

- Simulations according to customer specifications
- Simulations of stress analysis
- Spring force and deflection control
- Design evaluation and optimization during the development process

**SIMULATION PARAMETERS**

- Creation of own material models
- Material-based simulation parameters
- Taking external influences into account

**VALIDATION**

- Exact force-deflection measurements provide you with high precision measurement data for an automated optimization of the components in your application.

**PRODUCT TESTS**

- Temperature and heat tests
- Material comparisons
- Test cycles
- Validation of simulation results

**COMPONENT ANALYSIS**

- Surface analysis
- Resistance measurement
- Check of dimensional accuracy

**DESIGN & DEVELOPMENT**

**TECHNICAL DOCUMENTATION**

**CAD DESIGN**

**FEA / FEM SIMULATION**

**SIMULATION STUDIES**

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