

EMS

Electronic Manufacturing Services

Quality "Made in Germany" pays off!



RM MICHAELIDES
SOFTWARE & ELEKTRONIK

www.ems-germany.com

Optimized Production Processes

High-quality products at favorable prices thanks to well thought-out production steps!



PRODUCTION



Material Management

- Material provided by the customer or by RM



Traceability

- Monitoring and documentation of all processes
- Material tracking



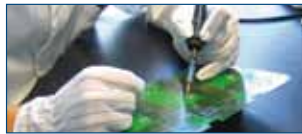
Storage

- Dry storage according to IPC / JEDEC J-STD-033B.1
- Long-term storage under N



SMT

- Fully automated assembly line
- Reflow soldering under N



THT

- Assembly
- Soldering



Wave Soldering

- Robot-controlled selective soldering
- Large-area soldering

Packaging/Shipping

- Intelligent packaging systems
- International distribution



Final Testing

- Electrical test procedures
- Optical inspection
- Test reports



Assembly

- Mechanical components
- Housing assembly



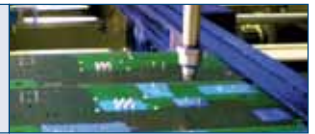
Bonding/Encapsulating

- Automatic mixing and dosing unit



Coating

- Robot-controlled selective coating



Testing

- Electrical testing
- Optical inspection



- ESD-suitable conditions
- Batch sizes from prototypes to large volume series

- Automated production in robot cells
- Quality management according to ISO 9001:2000

Certifications:



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Request

Production

Your Product

Approval

Ultra-modern facilities for highest quality

In one of Europe's most modern facilities, we manufacture a wide variety of products.



We perform all desired production steps – from SMT assembly to device manufacturing.



SMT and THT assembly

- High-performance mounting machines
- Manual assembly



Coating

- Robot-controlled selective coating
- Dip coating
- Encapsulating



Soldering

- Reflow soldering
- Wave soldering (large-area / robot-controlled selective wave soldering)
- Soldering in inert gas (nitrogen) atmosphere
- Lead-free, on request with leaded materials
- Manual soldering



Testing

- Electrical test procedures
- Optical inspection
- Manual testing
- Test reports
- EMC / environmental testing

Top-quality products for the most diverse areas of application

Our ultimate goal is to provide you with a high-quality product that meets all your expectations and demands. Even beyond distribution, we are at your disposal for service and support inquiries.



Electronic assemblies

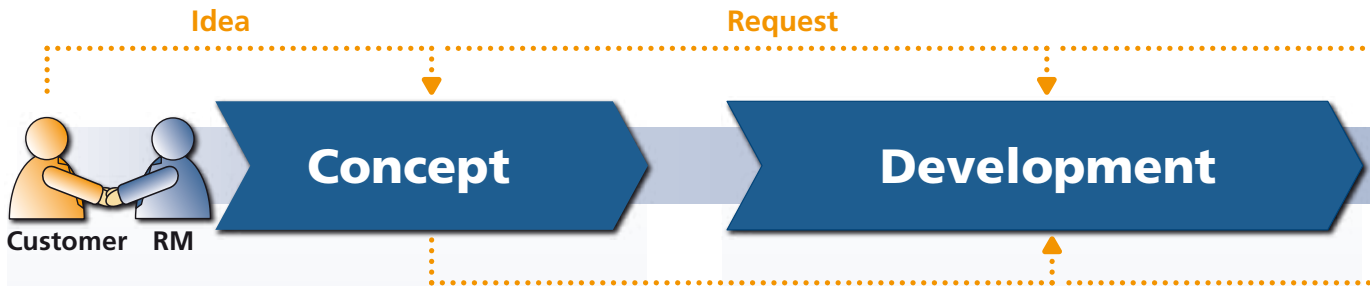


Devices



Systems

RM Electronic Services



Whatever occurs to you – we will give your idea a shape

We put up a customized concept for your project in order to pave the way for all further steps with an elaborate and flexible development plan. Whether you are still in the early stages of your project or already have something concrete in mind, contact us and benefit from more than 20 years of experience.



Demand-oriented planning

- Enclosure concepts
- Operation and software concepts



Supplier and material management

- If desired, we provide all parts and material
- Proven supplier network

Agreement

Rely on our experience

During the whole development process, our development engineers are constantly aiming at being able to produce the elaborated solutions as economically as possible and on a high quality level.



Mechanical 3D design

Enclosure • Dimensions and design matching



PCB design

Wiring diagrams • Assembly diagrams • PCB layout



Testing and production equipment and accessories

Mountings • Tables • Testing systems



Soft- and firmware

Configuration tools • Diagnosis software • Monitoring applications