



**mlgs.**

manufacturing · logistics & services GmbH Co. KG

Precision from  
Greifswald





# We translate your ideas into reality

ml&s is a complete electronics manufacturing services provider. From design through PCB assembly, systems configuration and quality assurance to product shipment to the customer and after-sales service: you can leave everything in our hands – we are competent and reliable. Customers and investors regard us as a solid and reliable partner. Our company is constantly growing.



## Small but strong

Employing about 280 staff, ml&s is a medium-sized enterprise. Due to its history, it unites the strengths of small firms with the capabilities of large ones: close customer contact, flexibility and talent for improvising as well as access to international procurement markets, state-of-the-art production, highly-qualified staff and established processes at all levels.



## Your success is our motivation

„The measure of our activities is highest customer satisfaction. We are our customers' partner. All our staff are creatively committed to promoting our customers' success.“

Udo Possin  
*Managing Director,  
Technology (right)*

Bernd Odoj  
*Managing Director,  
Finances (left)*



## The ml&s people

The teams: committed, flexible, creative.  
The staff: qualified, experienced, cooperative.  
The company culture: characterised by trust, respect, fairness.



Quality certification by DQS according to DIN EN ISO 9001:2000 and DIN EN ISO 14001



# Performance that convinces

## **M for Manufacturing: precision all along the line**

ml&s' core competence is PCB assembly and test. The range of PCB formats and component types handled by ml&s covers all current market requirements. From single units to mass production: ml&s is the right partner for you. Whether you have samples or series manufactured by ml&s – our processes are defined and can be applied. They assure the quality of your products. In the field of SMT (Surface Mount Technology) we place all common shapes from 0201 chips to QFPs with 0.4 mm pitch and BGAs (Ball Grid Arrays).

In the field of THT (Through Hole Technology) we can prepare and insert all shapes and types of wired components.

ml&s manufactures any lot size starting from 1 in production areas which are completely ESD protected and uses the latest in production equipment. If requested by our customers, we manufacture both lead-free (reflow soldering) and halogen-free products. Our well-maintained manufacturing equipment guarantees on-time delivery.

## **L for Logistics: everything from A to Z taken into consideration**

Logistics start at the moment of your order. We manage our business using SAP software all the way through from receipt of order to invoicing and provide the logistic interfaces to your software. Procurement, labelling, packaging, despatch: For you we do not only do what we can – we can do what we do well. Where shall we send your product for you?

We guarantee short delivery times. We will undertake time-consuming tasks such as the provision of customs documents for you.



## **S for Services: you can depend on us**

Years of experience and a high level of competence in assembling PCBs and systems as well as in complex production planning enable ml&s to offer diverse technical and IT services. You decide whether to use our complete service package or selected parts of ml&s' service range. We undertake any task which needs to be performed in connection with manufacturing, assembling and configuring products and systems for you.





## Technical services

Whether sample-build, pre-integration (saves up to 40% of costs!) or constructing test equipment and manufacturing tools: ml&s' service departments are at your disposal. For example, you need to have your measuring devices calibrated? The ml&s calibration service is measurably good. You have PCBs and would like to have them tested? ml&s will be pleased to do this for you, and you will benefit from our X-ray (AXI) and Automatic Optical Inspection (AOI) equipment as well as from our technical expertise. We are equally familiar with labelling and marking systems as we are with the development of both product and shipment packaging.





# Partners and references

mi&s is synonymous with precision and best performance. Our customers recognise this and gave us the highest marks in a customer satisfaction survey carried out by the Institute of Industrial Psychology of Greifswald University in 2004. The criteria were satisfaction with the quality of our products, logistics, information flow and staff. On a scale from one to five, mi&s scored a top grade of 4.34 marks, thereby improving on the excellent 2003 results and staying ahead of the competition.

## The list of companies that mi&s serves well includes for example:

bsm  
DeTeWe  
Hawker  
Hell  
Innominate  
Siemens  
Solon  
Vaillant



## Mutual success

Our customers' success is our motivation. The basis for success: partnership from the very beginning!

Three examples:

- mi&s manufactures telecommunications products and systems for Siemens AG. As far as the NTBA is concerned, millions of which have already been manufactured, mi&s' services also include comprehensive product maintenance, from layout and development through to manufacturing and despatch.



- The "bite away" product of the bsm (bionic solution management GmbH) company located in Greifswald is a perfect example of successful mi&s project management: optimisation of PCB layout, redesign of construction, development of different housings and control of production logistics. With the "bite away" product, mi&s has successfully entered the market for medical devices.



- mi&s' excellent technical knowledge, the team spirit and experience of production processes resulted in cooperation with Solon Nord GmbH in establishing one of the largest European facilities for the manufacture of photovoltaic modules.



# Precision from Greifswald

reliable und dependable – all along the line

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