

YOUR PARTNER FOR ELECTRONIC MANUFACTURING APPLICATIONS



As a project partner, Kontron offers its customers the complete range of Electronic Manufacturing Services (EMS) with custom engineering, development of electronic schematics as well as creation of an optimized layout as a base for SMD / THT module manufacturing.

Our close integration of design and engineering as well as rapid prototyping is ideally complemented by our optimized manufacturing services. We can quickly integrate your product into our production processes, because we provide an excellent purchasing and logistics lineup and can therefore quickly integrate the new customer-related material into our system and then produce it with a short lead time.

The range of services offered by Kontron in the area of electronic assembly production - PCB assembly (SMD / THT) and final / product assembly - includes the following technologies:

- ▶ Entire purchasing logistics and material procurement
- ▶ Rapid prototyping
- ▶ SMD / THT series production
- ▶ Final assembly
- ▶ Test and quality controls according to jointly developed test strategy
- ▶ Process interfaces in the delivery logistics
- ▶ Design-to-Cost - optimization of customer assemblies
- ▶ Lifecycle material management including obsolescence management
- ▶ Repair service



About Kontron – Member of the S&T Group

Kontron is a global leader in IoT/Embedded Computing Technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

For more information, please visit: www.kontron.com



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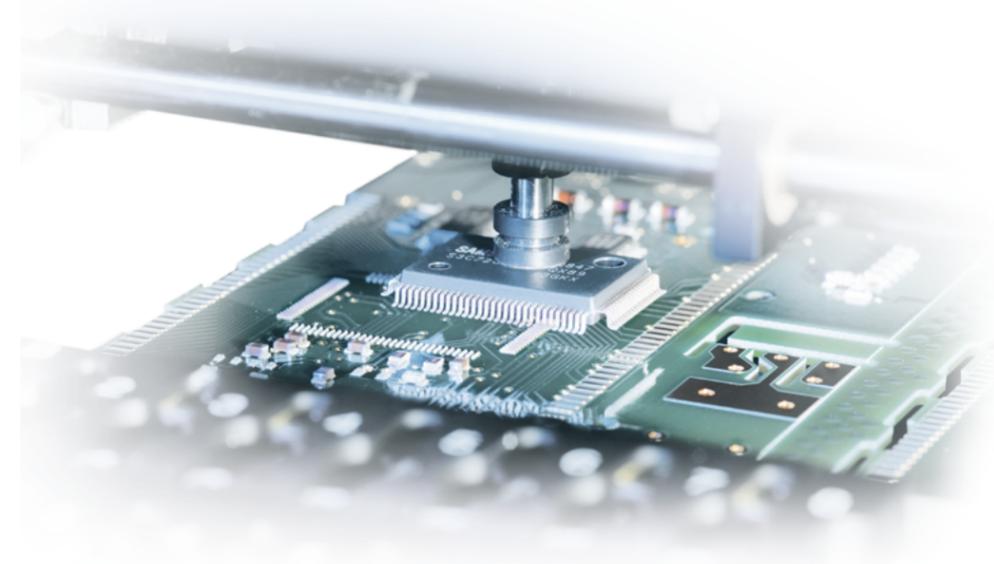
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EMS

Electronic Manufacturing Services



- ▶ PRODUCTION IN DACH, EAST EUROPE AND ASIA
- ▶ BOXBUILDING FROM PCBA TO SYSTEM
- ▶ LOW VOLUME - HIGH MIX / HIGH VOLUME
- ▶ CERTIFICATIONS FOR IEC 13485; UL; ATEX; APPLE MFI

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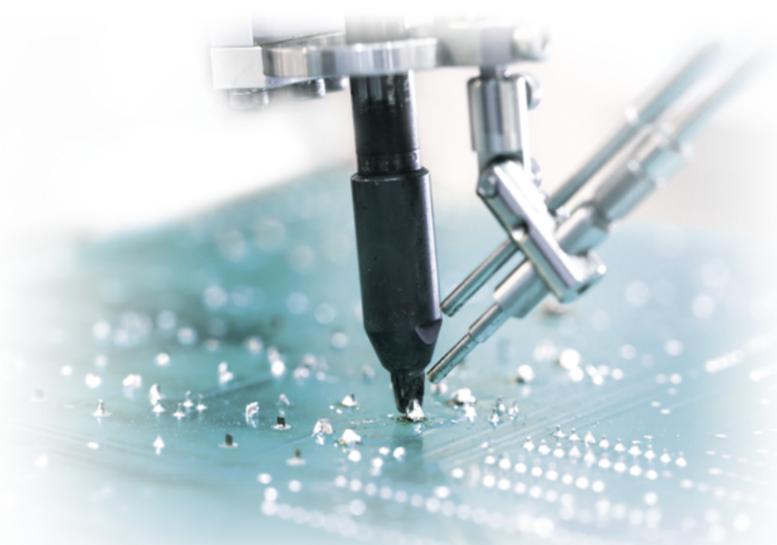
KONTRON

YOUR ONE-STOP FULL-SERVICE-SUPPLIER

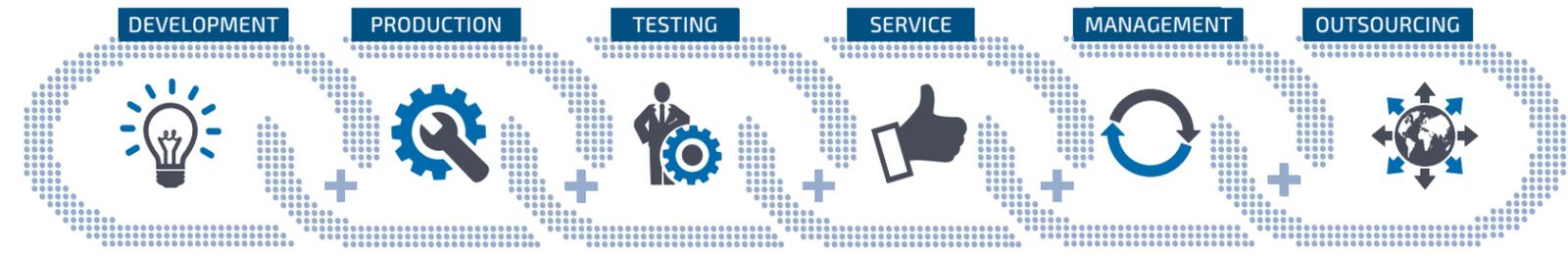


With our full range of Electronic Manufacturing Services (EMS), starting from product & cost analysis through to the sustainable mass production of PCBA's to complete devices in DACH, East Europe or Asia, we create freedom along your value chain and promote innovation.

From the idea to manufacturing to end-of-life, you benefit from our best-practice experience and accelerate your time-to-market, thereby improving your profitability.



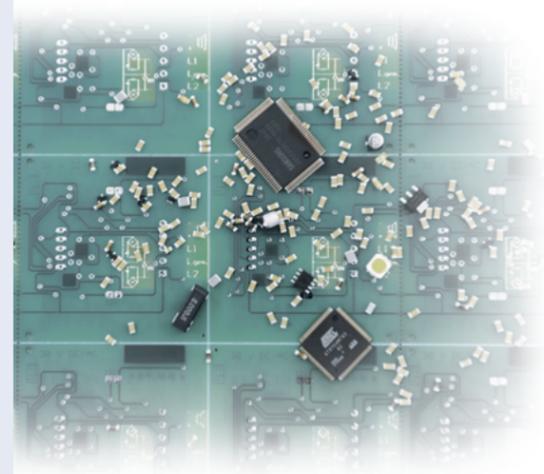
- ▶ PRODUCTION IN DACH, EAST EUROPE AND ASIA
- ▶ BOXBUILDING FROM PCBA TO SYSTEM
- ▶ LOW VOLUME - HIGH MIX / HIGH VOLUME
- ▶ CERTIFICATIONS FOR IEC 13485; UL; ATEX; APPLE MFI
- ▶ PRODUCT & COST ANALYSIS
- ▶ LIFECYCLE ANALYSIS & MANAGEMENT
- ▶ ODM SERVICE
- ▶ GLOBAL DELIVERY
- ▶ INTERNAL 2ND SOURCE
- ▶ BROAD TECHNOLOGY COMPETENCE IN S&T GROUP



- NPI-PROCESS**
- ▶ Process development
 - ▶ Prototyping / sample deliveries
 - ▶ Industrialization
 - ▶ Test development
 - ▶ Test equipment and systems
 - ▶ Type tests
 - ▶ Validations
 - ▶ Certifications
 - ▶ Production start-ups

- SCM**
- ▶ Group-wide and global procurement
 - ▶ Logistics and location management
 - ▶ Customs formalities and handling of bonded warehouse
- PRODUCTION**
- ▶ SMT /THT assembly of electronic components
 - ▶ Final assembly
 - ▶ Modules and complete systems
 - ▶ Boxbuilding
 - ▶ In-Circuit-tests
 - ▶ Flying-Probe-tests
 - ▶ Function-tests
 - ▶ Boudary-Scan-tests
 - ▶ Burn-In-tests
 - ▶ Varnishing
 - ▶ Nanocoiling (tropicalizing)
 - ▶ Socketing / splashing
 - ▶ Inspections
 - ▶ Customer-specific production from
- SERVICES**
- ▶ Industrial lead
 - ▶ Cost optimization
 - ▶ Assembly analysis
 - ▶ Component-level traceability
 - ▶ Lifecycle monitoring
 - ▶ Long term storage & long term availability
 - ▶ Component engineering
 - ▶ Climate & stress test

- AFTER-SALES-SERVICE**
- ▶ Spare parts supply
 - ▶ Repair service
 - ▶ Notification management
 - ▶ End of Life management



- CERTIFICATIONS**
- ▶ DIN EN ISO 9001
 - ▶ DIN EN ISO 13485
 - ▶ DIN EN ISO 14001
 - ▶ UL
 - ▶ ATEX
 - ▶ Approbation from "Bundesschiffahrtsamt" and "German Lloyd"
 - ▶ Apple Mfi

