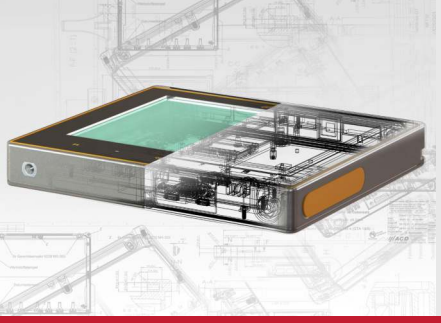

EMS SERVICES

Electronic Manufacturing Services

The EMS sector has been developing, manufacturing, inspecting and testing for over 35 years at two locations in Germany and since 2015 at one production site in the Czech Republic..

Our production locations in Achstetten, Neustadt (Orla) and Kadan offer ideal manufacturing conditions, maximum product safety and utmost quality on the latest machines.

Highly-qualified development engineers accompany your product from the prototype stage to pilot series, through to volume-production and professionally implement your tasks regarding development and the production of electronic components and devices. In doing so, it is irrelevant whether it concerns individual products or large-scale batches of many thousands of devices per year.

As a system service provider for Electronic Manufacturing Services, the ACD Group offers a comprehensive project service - with a maximum amount of flexibility, innovation and professional supervision.

Whether industrial, medical, control, measurement or regulation technology, mobile data acquisition, automotive or military technology, your products are in the best possible hands at ACD from development, layout creation and component procurement through to prototype construction, volume production and final testing.

From concept to product - everything from one source

Certificates/quality certificates

- DIN EN ISO 9001
- DIN EN ISO 14001
- IPC A 610 (current revision)
- ISO/TS 16949
- ISO 13485
- Thuringian state prize for quality 2009

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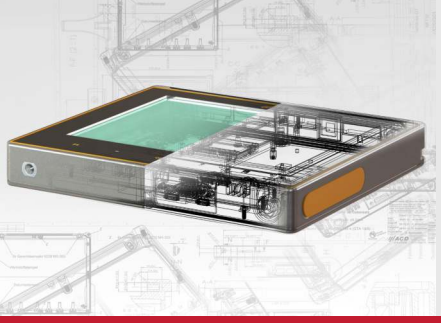

EMS SERVICES

Electronic Manufacturing Services

Electronic Development
- Hardware and Software development
- Layout development (complex analog and digital layouts)
- Circuit board placement (with professional CAD systems)
- EMC testing
- Deployment of the latest circuit board techniques

Electronic manufacturing
- Component procurement/obsolescence management
- Prototype construction and pilot series
- SMD/THT mounting
- Vapour phase soldering system, reflow, wave, selected and manual soldering
- Lean production (one-piece flow)
- Boxbuild: assembly of components as well as complete devices
- Finishing, socketing, sticking and ultrasonic sealing

Quality assurance
- AXI: Automatic X-ray inspection
- AOI: Automatic Optical Inspection
- Product-specific function control
- In-circuit test
- Flying probe
- Boundary scan
- Burn in
- Climate test (Burn-In/Run-In in climate cabinet)
- Test adaptor (according to customer specification)

Project management
- Technical clarification of changes and expansions
- Contract review
- Documentation of the requirement (change/expansion)
- Calculation of the required deliveries and services
- Tender to the client or person responsible for a change
- Approval via the client or person responsible
- Implementation
- Complaint management
- After sales service

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