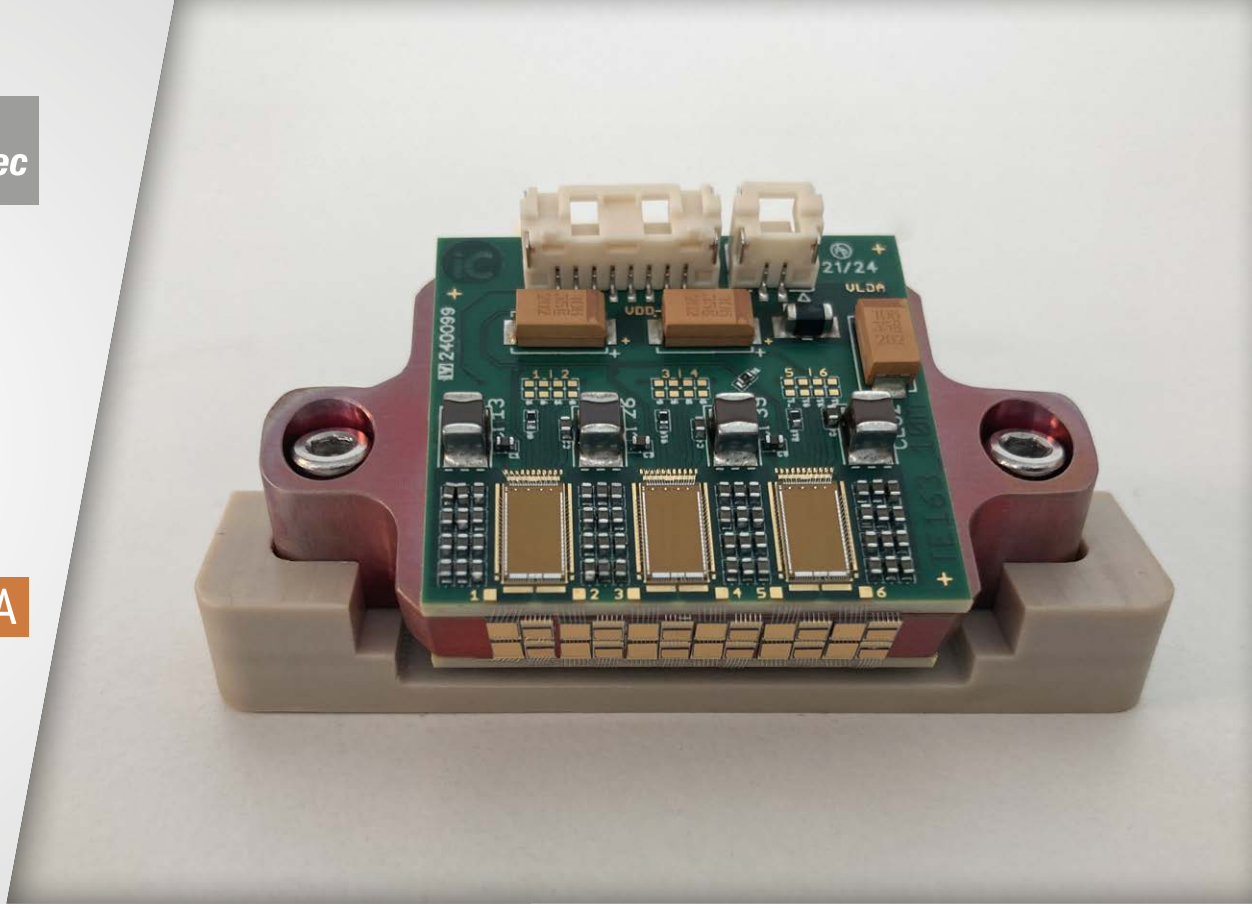
AEMtec

AEMTEC USA INC.

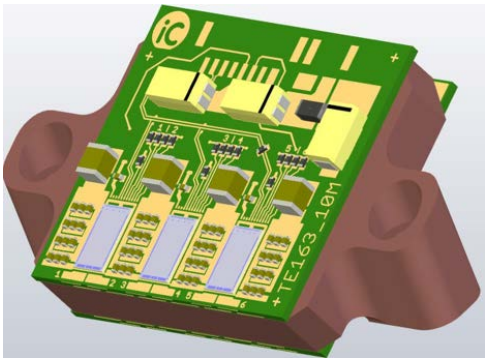


WHY CHOOSE US TECH CENTER?

AEMtec USA Inc. provides

- ✓ Rapid prototyping to bring ideas as fast as possible to the market
- ✓ Feasibility study for advanced packages
- ✓ Technical support in the first project steps
- ✓ Transfer support to Berlin headquarters for volume production

We offer comprehensive support from feasibility studies and prototyping to expert consultancy and technology guidance.
What you get at our US Tech Center in Boston:



FEASIBILITY STUDY

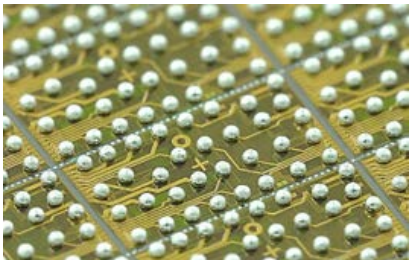
- ✓ 3d – design (Creo)
- ✓ PCB layout (Altium designer, CAM350)
- ✓ Supply Chain Management
- ✓ Proof of concept

WIDE TECHNOLOGY PORTFOLIO

- ✓ SMD pick and place
- ✓ Flip Chip attach
- ✓ Die attach
- ✓ Wire bonding
- ✓ High precision placement

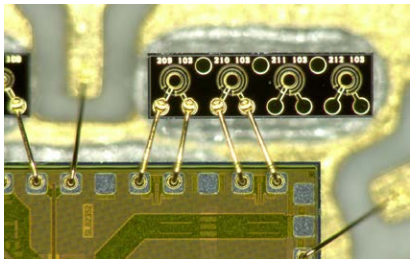
SMD PICK AND PLACE

- Solder paste application
- SMD pick and place
- Soldering under nitrogen



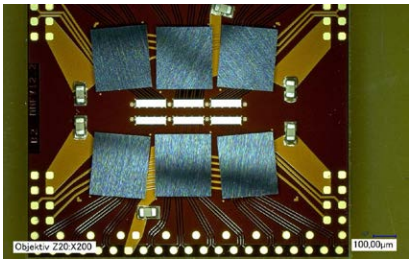
FLIP CHIP ATTACH

- Flip Chip attach
- Soldering under nitrogen
- Underfill



DIE ATTACH/ WIRE BONDING

- Die picking
- Encapsulation
- Curing



HIGH PRECISION PLACEMENT

- High accuracy die attach up to +/- 5µm!
- Underfill
- Curing

Process	Footprint	Component Size	Misc.
SMT / SMT Reflow	160mm x 160mm	0201 and above	N_2, T_{max} = 400°C
Die Attach	400mm x 280mm	from 150µm² to 100mm²	+/- 20µm accuracy @ 3s
Wire Bonding	100mm x 100mm	23µm to 75µm diameter	Al- / Au Bonding, +/- 5µm @ 3s
High Precision Placement	400mm x 150mm	from 150µm² to 20mm²	+/- 5µm accuracy @ 3s

AEMTEC = MORE THAN 25 YEARS OF EXPERIENCE IN ELECTRONIC PACKAGING!

Our team of experienced professionals brings deep industry expertise to every project. By applying the latest technologies, we deliver innovative and effective solutions tailored to your needs. With a strong customer-centric approach, we collaborate closely with you to ensure high-quality results that meet your goals.

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SCAN OUR FOLDERS