

Ensuring success is infinitely repeatable.



Manufactured Assemblies Corporation, a Compass Electronics Solutions Company, is the contract electronics manufacturing services (EMS) company of choice for the most trusted technology brands in the world. For 50 years, MAC has excelled by providing tailored EMS solutions for regulated industries.

We create the most complex and innovative electronic products for both connected and non-connected environments. From rapid prototyping, to low volume/high mix, to cost-optimized nearshore manufacturing options in Mexico, we leverage the latest technologies and techniques to meet customers' time-to-market, budget and quality goals. We are here for you as a partner each step of the way.

SOLUTIONS

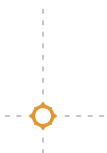
- Electronics-manufacturing
- Customer focused teams
- Manufacturing test development

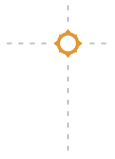
CERTIFICATIONS

- Nadcap accredited
- ISO 9001:2015
- ISO 13485:2016
- AS9100D
- FDA 21 CFR 820 compliant

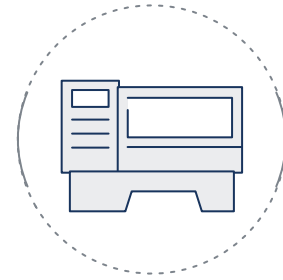
CAPABILITIES

- Full scale production
- Lifecycle management services
- Low-volume/high-mix
- In circuit, flying probe, 3D, AOI, functional and RF testing
- Extensive review procedures





A unique mix of advanced capabilities and commitment to customer success.



MANUFACTURING EXPERTISE

We provide high-mix/high-variability electronics manufacturing services for your product's complete lifecycle.

- Quick turn prototyping
- New Product Introduction (NPI), including prototype rework services
- Box build
- Total fulfillment services
- Domestic and nearshore facilities
- Full-scale production
- Post manufacturing services
- In-circuit, flying probe, 3D AOI, advanced boundary scan, functional & RF testing
- Jet clean with ionic testing
- X-ray inspection
- SMT & auto insertion
- 10 zones reflow over
- Paste-in-hole technology (SMT and through-hole)
- Automated depanelization & insertion
- Automated inline selective solder (leaded and lead-free)
- Paperless shop floor documentation
- Conformal coating & potting
- Underfill, bonding, & several epoxies
- 0.3 mm pitch for QFP
- 0.4 mm CSP BGA & POP technology
- 01005 chip component
- Up to 2" square BGA
- Fine pitch (12 mils) & BGA placement and repair
- Large, complex PCAs
- High part count > 3,000
- High layer count PCB
- MicroBGA & MicroCSP technologies

CUSTOMER FOCUSED TEAMS (CFTs)

Launching a new product involves significant coordination. Our CFTs work as an extension of your business and are assembled around your specific needs.

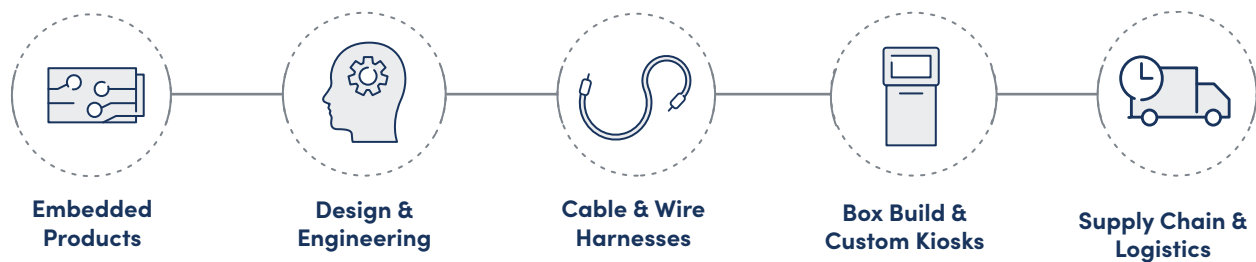
Teams include

- Dedicated, single point of contact
- Engineers
- Supply chain managers
- Quality engineers & technicians

Types of reviews include

- Monthly, quarterly business reviews
- Monthly quality reviews
- Design for manufacturing reviews
- Design for testability reviews

MORE SOLUTIONS FROM LOGIC PD, MAC, QUALITRONICS, AND PROTECH



Learn more about our capabilities at MAC-Cable.com

Logic PD, MAC, Protech and Qualitronics have teamed up to form Compass Electronics Solutions: The premier partner for the design, development, manufacturing, and support of the world's most innovative products.



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