



Medical Technologies



High End Industrial



Defense and Security



Aerospace



Oil & Gas



Optics and Sensing

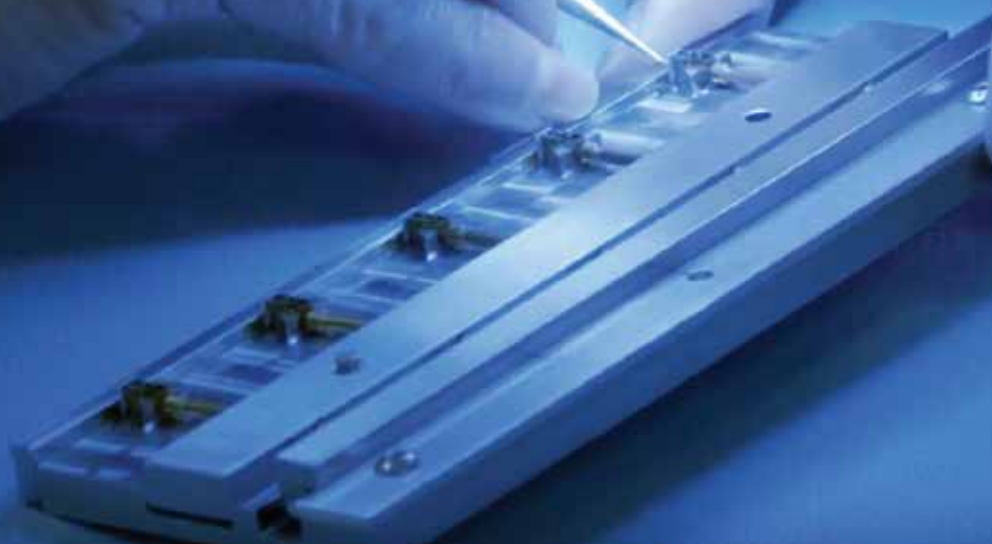


## Let us be your preferred manufacturer of technically challenging microelectronic assemblies

### Superior Quality Management System:

- ISO 9001: 2015 Certified
- ISO 13485: 2016 Certified and FDA Audited Facility
- Class III Medical Device experience
- AS9100D Certified
- CGP Registered / ITAR Compliant
- FAR/DFARS Compliant





## Manufacturing Capabilities

TASK works with numerous substrates and a wide variety of component mounting and multi-process assembly technologies.

Our team has extensive experience in producing complex and custom devices, where restrictions present obstacles to our customers.

- Die Attach (Fully Automated, Manual, and Thermosonic)
- Wirebonding (Automatic / Manual)
  - Ball Gold Wirebonding (0.7mil - 2 mil)
  - Gold / Al Wedge Bonding (0.7mil - 1.3mil, Al 1.1mil)
  - Heavy Gauge Copper / Al Bonding (5.6 - 15mil)
- Flip-Chip Assembly
- COB (Chip on Board) / Chip on Chip Assembly / 3D Stacking
- MEMS Integration
- SMT down to 01005 and THT placement services
- Components and Bare Die Encapsulation / Packaging
- Thick Film Print & Fire on Al<sub>2</sub>O<sub>3</sub>:
  - Multilayer Printing
  - Various Dielectric and Conductor Materials
  - Final Thick Film Hybrid Circuits Assembly
- Various Substrate Technologies including Flex, FR4, HTCC, Ceramic, IMS, Thin Film, Etched Thick Film, etc.

With over **3 decades of experience**, TASK continues to manage customers technically challenging projects with continuous improvement for successful manufacturing:

- Engineering Design and Processes support (DFx)
- Miniaturization specialty
- New and Customized Products Integration
- Product Validation and Testing
- Unique and tailored electronic packaging

***From prototypes to full scale production, TASK's capabilities are at your service.***



## Our Facilities

TASK operates out of a 41,000 sq. foot state-of-the-art facility with controlled clean rooms. All manufacturing, engineering, sales, quality, procurement, management and administrative support is under one roof. This allows for full control over your project from start to finish.



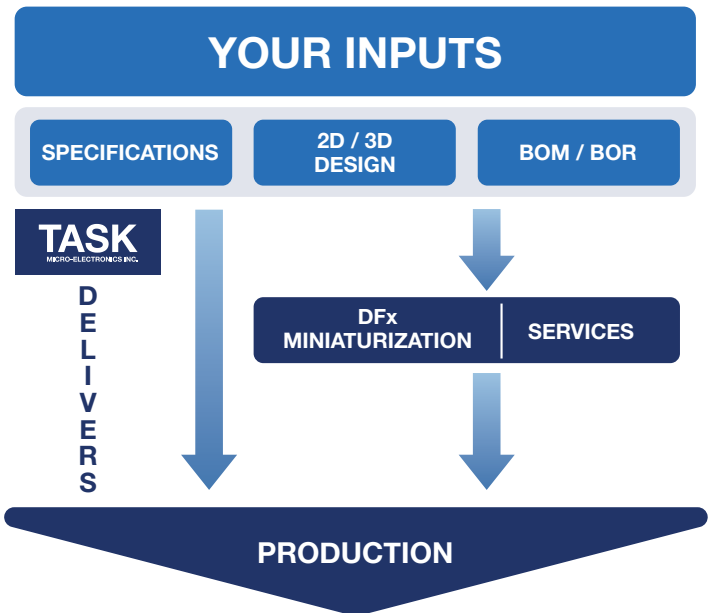
FDA  
Audited  
Facility



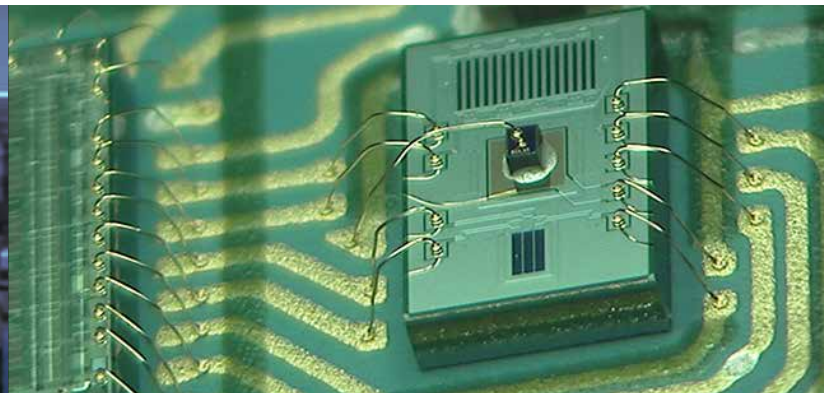
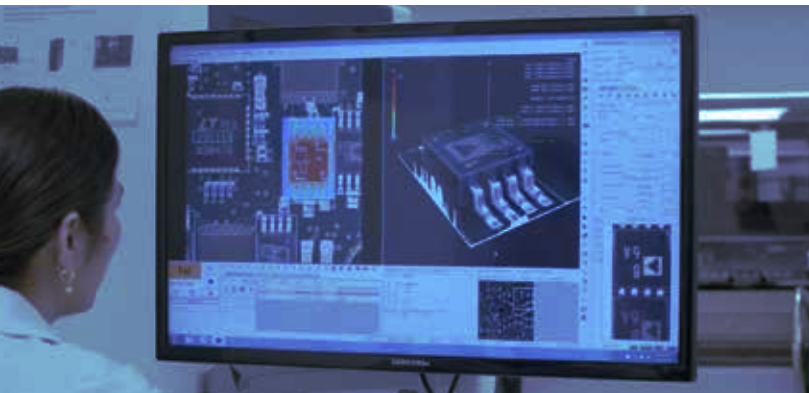
## Our Positioning

TASK's product engineering team has the experience in helping customers miniaturize or ruggedize their new or existing designs with innovative packaging solutions based on the most current technologies.

TASK works in conjunction with customers from initial design layout, miniaturization and design for manufacturability, to prototypes, pre-production and validation phases, right into full production support.



DFx: DFC (Cost) | DFT (Test) | DFR (Reliability)  
DFM (Manufacturability) | DFB (BOM)



**TASK**  
MICRO-ELECTRONICS INC.

Established in 1987



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