



## TECHNICAL MANUFACTURING CORPORATION

### COMPANY AND FACILITY OVERVIEW

Company Name:	Technical Manufacturing Corporation (TMC)
Products & Services:	Contract electronics manufacturing of circuit card assemblies
Industry Identifiers:	D-U-N-S No. 17-359-0928, CAGE Code 3FCA2, NAICS 334418, SIC 3679 & 3672
Corporate Structure:	Privately held s-corporation, incorporated in 1985 (Connecticut)
SBA Classification:	Woman-owned small business (WOSB)
Customer Base:	Over 100+ customers nationwide
Primary Market:	National United States Domestic market (ITAR)
Material Procurement:	Consignment (CFM & GFM), Turnkey and Mixed
Build Volumes:	Prototypes and small- to mid-volume production (standard & expedited)
Building Description:	Single location stand-alone 20,000 square feet
Employees:	IPC CIS & CIT IPC-600, A-610, J-STD-001 (SPACE)
Primary Industries:	Aerospace & Defense (commercial and government)
Specializations:	Advanced circuit card assemblies for high reliability applications
Quality System:	ISO 9001:2015, AS 9100:2016 and NADCAP AC7120
Quality Metrics:	Quality Rate (currently 99%) and Delivery Rate (currently 95%)
Quality Planning:	PFMEA, PPAP, AS9102 FAIR, AQL, CPK, GAGE R&R, SPC & PCP
Quality Software:	Exact Alliance ERP system, uniPoint QMS system and custom databases
Communications:	SAP Crystal Server customer extranet portal for real-time production reporting
Special Processes:	XRF, RHSD, Ion Chromatography, ROSE, FOD, ESD & MSL control programs
Inventory Control:	Two-way lot code control & traceability with counterfeit parts mitigation
Cyber Security:	CMMC Model 2.0 Level 2 (Advanced)

### CURRENT CAPABILITIES OVERVIEW

Assembly Capability:	0201 minimum, 10mil pitch, column grid arrays (CGA) & ball grid arrays (BGA)
Production Capacity:	Thirteen (13) production cells (65K CPH maximum) and two (2) operating shifts

Coating Capabilities: Polyurethane (UR), acrylic (AR), silicone (SR) and epoxy (ER)  
Soldering Processes: No-clean and water-soluble soldering processes (REL0 & REL1)  
Product Build Class: IPC J-STD-001 CLASS 3 and SPACE Addendum  
Inspection Class: IPC A-610 CLASS 3 and SPACE Addendum  
Rework & Repair: IPC-7711/7721

**PLANNED CAPABILITIES ROADMAP**

Product Build Class: NASA 8739.1 (Polymeric application), 8739.2 (SMT) & 8739.3 (Soldering)  
Inspection Class: NASA 8739.1 (Polymeric application), 8739.2 (SMT) & 8739.3 (Soldering)