



APPROVED FOR PUBLIC RELEASE

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 with ITAR registration

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)
Quality System: IPC-1791 (Trusted Electronic Designer, Fabricator and Assembler)