

**Thomas J. Dussault**  
Feeding Hills, MA 01030  
413-250-3843 or tjdussault@comcast.net

**Summary:**

An Electronic and Mechanical Test Engineer experienced in assembly, repair, product testing, process development as well as business relationship management, data analysis and management reporting. This includes over 30 years' experience in aerospace manufacturing, quality, and project management.

**Professional Experience:**

**Pratt and Whitney**

**2018 – 2/2025**

*Non-Destructive Test Master Technician - Quality Process Engineering*

- Specializing in Ultrasonic and Florescent Penetrant Testing Inspections (Hellier NDT)
- Created standard work and managed supplier relations and audits.
- ACE/CORE quality certified to the associate level (RTX's lean six sigma).
- CAD - Siemens Unigraphics NX 12 Drafting – Product Definition
- AS 9100 Lead and Internal Auditor Certifications
- SAP, ITAR, Team Center, Share Point, MS Office, Teams, Excel, Power Point, Word

**Smith and Wesson**

**2016 - 2018**

*Electronic Systems Servicer - maintenance machine repair group*

- Repair all types of manufacturing machinery including CNC mills, lathes, and robots.
- Responsible for facilities repair support as required.
- Manage purchase requests and work orders in a fast-paced manufacturing environment while following health and safety standards.

**Ensign-Bickford Aerospace & Defense Company**

**2003 - 2016**

*Explosives Test Engineer-Lab Manager*

- Managed the pyrotechnic shock and vibration lab team and all purchasing.
- Plan, fabricate, assemble, disassemble, set up, torque, lock wire, test, inspect, calibrate, troubleshoot and repair electronic and electrical hardware and various test equipment.
- Responsible for ordering, shipping, receiving, and proper packaging of products.
- Strong computer knowledge of data acquisition software and Microsoft Office suite.
- Prepare reports, analyzed, and evaluated test result data to validate acceptance criteria.
- Worked directly with internal and external customers to fulfill contract requirements.
- Provided training to new hires and manage outside contractors.
- Participated in Continuous Improvement (CI) activities and lean manufacturing.
- Supervised others to keep the lab and surroundings safe, clean, and organized.

**Schiffer Dental Care LLC.**

**2001 - 2003**

*Electrician*

- Responsible for all installations, troubleshooting, calibration, and repair of automated manufacturing equipment in a demanding fast-paced toothbrush manufacturing facility.
- Maintained compressors, overhead cranes, all aspects of building maintenance and preventive maintenance while staying within annual budget.
- Assist design engineers to implement and test state-of-the-art computer operated systems.
- Used industrial power lift trucks with man basket, scissor lifts and power pallet trucks.
- Project manager of training and implementation of new systems, ensuring compliance of state electrical codes while directing two co-workers of daily directives.
- Knowledge of AC/DC, PLC, FM Drives, digital, analog, hydraulic and pneumatic systems.
- Experienced with FDA approved plastic injection molding manufacturing equipment.

*Thomas J. Dussault*

**Hamilton Sundstrand - now called Collins Aerospace** **1996 - 2001**

***Process Technician***

- Successfully operated computer printed circuit board assembly robot in a highly technical and fast-paced environment while meeting process time study standards.
- Assemble, rework and repair electronic assembly while following operation sheets.
- Paint, spray coatings, and mix adhesives for printed circuit boards assemblies.
- Maintain detailed logs, produce reports, and track errors in operation while implementing continuous improvement.

**Continental Cablevision, now called Xfinity** **1995 - 1996**

***Installer, Trouble Calls, Sales, Field Service Representative***

- Ran and stocked a field service van, installed and maintained residential and business customers' accounts. Both aerial and underground systems were serviced.

**Halon Oil Company** **1995**

***Installer, Trouble Calls, Sales, Field Service Representative***

- Ran and stocked a field service van, maintained residential and business accounts. Preventative maintenance included filter changes, cleaning, and system calibration.

**Hamilton Standard - now called Collins Aerospace** **1984 - 1994**

***Electronic Technician packaging/test***

- Fabricated large test stands, test, calibrate, troubleshoot, rework and repair test aircraft flight hardware while working as a test rig builder.
- Customers included in-house and international aerospace industry, including military and commercial customers.
- Built and installed complex harnesses while working from schematics and blueprints.
- Designed cables and fixtures to connect the units under test.
- Used drill press, band saw, grinder, Dremel, files, screwdrivers, wrenches, and sockets.
- Extensive metal fabrication, install connectors, soldering, welding, grounding, and shielding while working with design engineers in a lab environment.

**Education:**

***University of Hartford - College of Engineering, Technology, and Architecture – Certificate 2023***  
Fundamentals of Airfoils, Advanced GD&T, Principles of Inspection, Coordinate Measuring Machines

***Springfield Technical Community College: 130 total credits received***

***2<sup>nd</sup> Associate degree in Mechanical Engineering Technology 2020***  
CNC machining, CAD SolidWorks, Master Cam Engineering Technology,  
Geometric Dimensioning and Tolerances (GD&T)

***1<sup>st</sup> Associate degree in Electronic Engineering Technology 1991***

***Computer Education Services Corporation:***

CompTIA Certification courses: A+ hardware, A+ Operating Systems & Network+  
Microsoft Windows 2000 MCSE certification courses: Network and Operating System  
Essentials Implementing Windows 2000 Professional and Server  
Managing a Network Environment & Supporting Network Infrastructure Implementation  
and Administering Active Directory Services

***New England Fuel Institute*** Oil Burner Repairman Certification Course

**Licenses:** Massachusetts Licensed – Oil Burner Repair Certified

**Volunteer:** EBA&D Safety Audit team member 2003 - 2016  
Red Cross and CT Blood Center drive coordinator 2012 – Present  
Massachusetts Safety Instructor 1991 - Present

**Hobbies:**

Restoration of antique motorcycles, including engine overhaul and modification. Complete disassemble and reassemble, rust repair, paint and polish all metal and add accessories.