

# High Reliability Electronic & Electro-Mechanical



**AEROSPACE • DEFENSE • INDUSTRIAL • COMMERCIAL • RAIL**

Contract Manufacturer &  
Engineering Service Provider

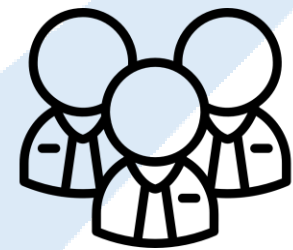
# Company Overview



**More than  
25 years in  
business**



**55,000 SQ FT  
Facility located  
in Hamburg,  
New York**



**Approximat  
ely 40  
Employees**



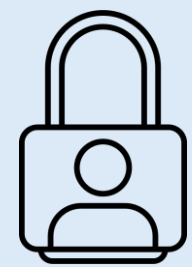
**Full time  
engineering  
staff**



**AS9100  
Certified**



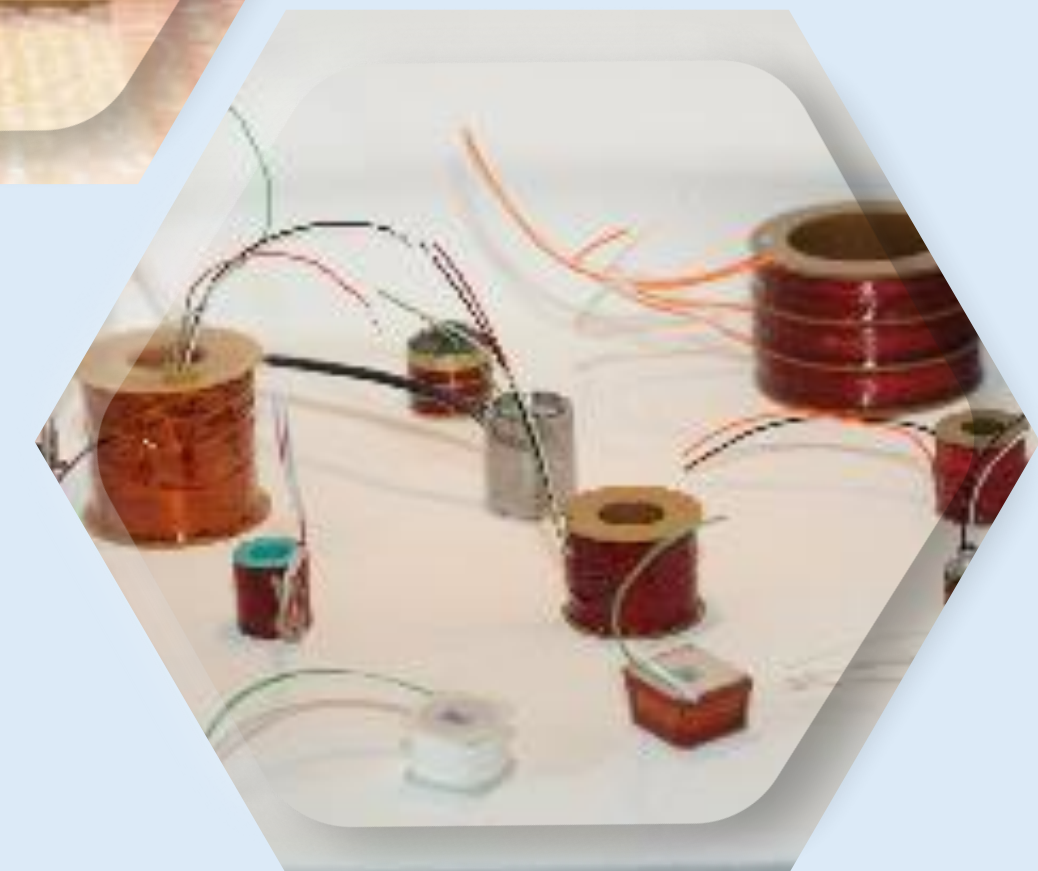
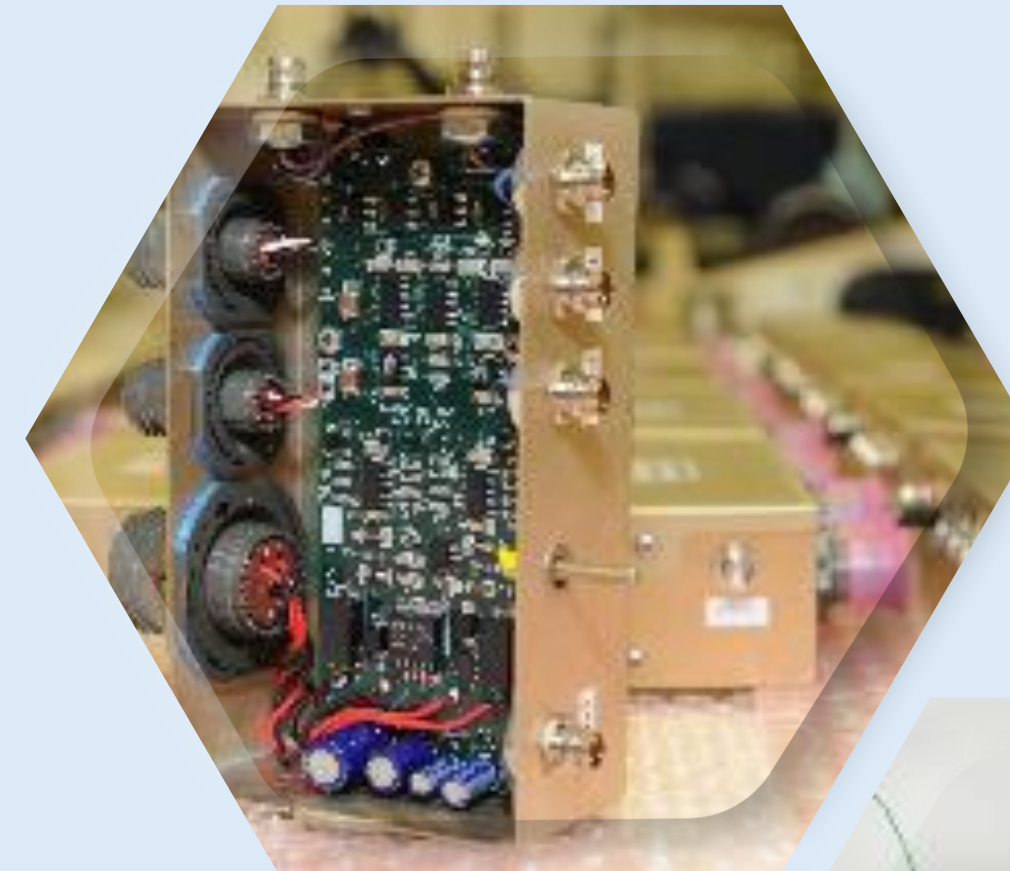
**95%+ on-time  
delivery with  
our 2 largest  
customers**



**Privately  
held  
business**

# Contract Manufacturing Capabilities

- **Printed Circuit Board Assembly**
- **Cable & Cable Harness Assemblies**
- **Custom Magnetics, Solenoids and Precision Custom Coils**
- **Precision Tube Forming and Termination**
- **Complete Box Builds & Integration**
- **Precision Cleaning**
- **Design & Development Support**
- **Prototypes to Production Volume**



# K-TECHnologies Facility

2024

4

CONFIDENTIAL

# CCA Technology Manufacturing

## Surface Mount and Through-Hole

- **Pick & Place Capability**
- **AOI**
- **Wave Solder**



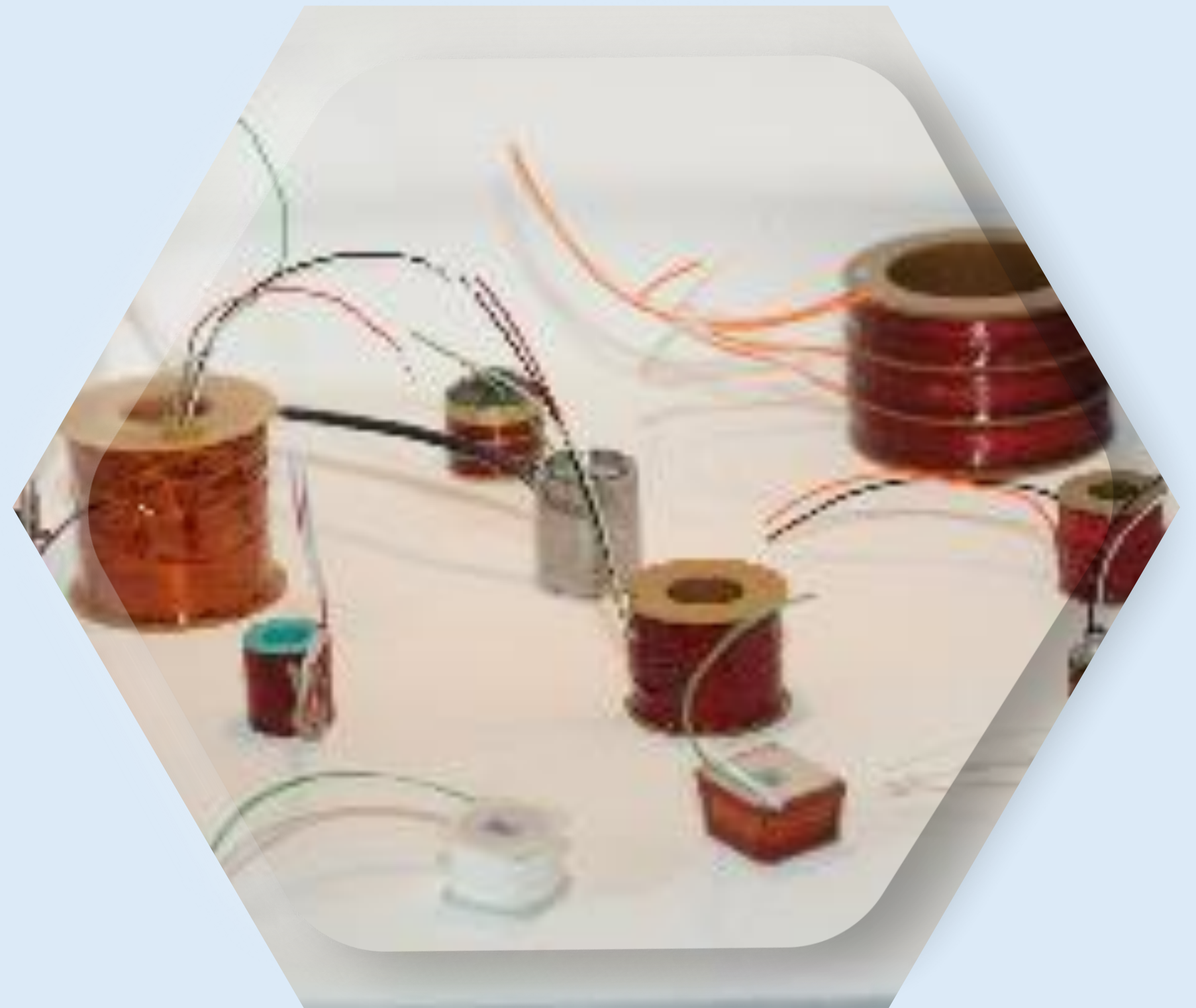
# Cable and Harness Assemblies

- **Specialize in High Reliability Applications**
- **Multi-Conductor Cable w/ Military Grade Circular Connectors**
- **Coax Cables**
- **RF Cables**
- **Avionics**
- **High Speed Data Cables**
- **Cables with Electro Explosive Charges**



# Magnetics

- **Solenoids**
- **Coils**
- **Toroids**
- **Bifilar**
- **Trifilar**
- **Quad Redundant**
- **Transformers**
- **Stator Windings**



# Precision Tube Forming and Termination

## Materials:

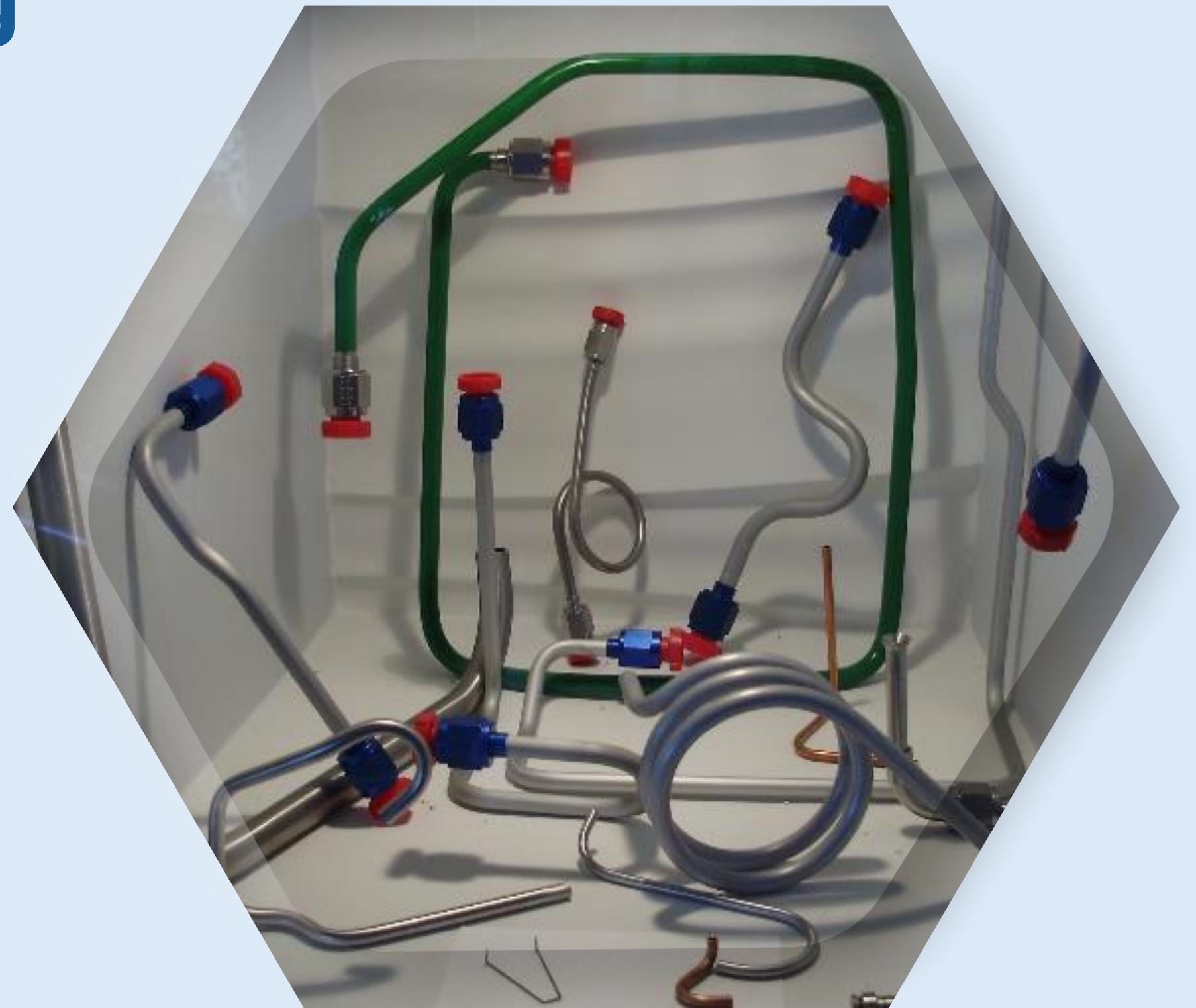
- Stainless Steel
- Inconel
- Copper
- Titanium
- Aluminum

## Sizes:

- 0.031" through 0.625" Diameters

## Methods:

- Manual
- CNC Controlled





# Box Builds and Integration



# Clean Room Capabilities

- **Clean Room Certified ISO14644-1 Class 6 (FED-STD-209E Class 1000)**
- **Cleaning for Oxygen Service (Aviator Grade)**
- **Particulate and NVR Testing**



# Standards & Certifications

- AS9100 Certified
- ISO 9001 Certified
- ITAR Registered
- RoHS compliant
- ANSI/IPC A-610 Certified Operators
- ANSI/J-STD-001-GS Certified Operators (Space Addendum)
- ATF/DOL/DOT/NYSP/DCAS Explosives Certification
- CCMC Level 3 (Self-Assessment)



# Standards & Certifications



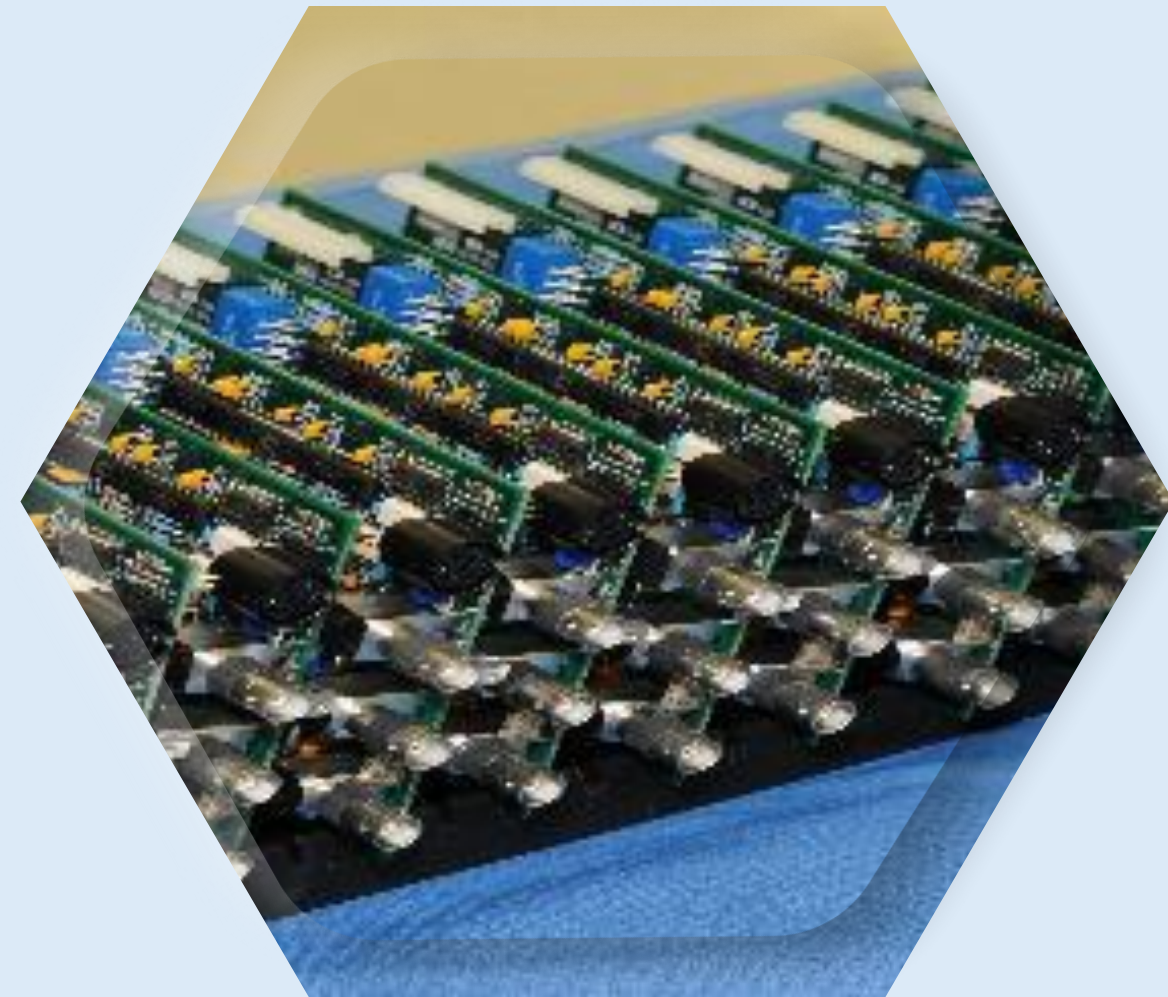
# Capabilities

## Space

- **NASA-STD-8739.1 Staking, Coating**
- **NASA-STD-8739.1A Polymeric Inspection**
- **NASA-STD-8739.2 Surface Mount Technology**
- **NASA-STD-8739.3 Hand Soldering**
- **NASA-STD-8739.7 ESD control**
- **J-STD-001-001/S, Joint Industry Standard, Space Applications Electronic Hardware Addendum to J-STD-001**

## MIL Standards

- **MIL-I-45208 Inspection**
- **MIL-STD-45662 Calibration**
- **MIL-STD-2000 Military Soldering**



# What Sets Us Apart

- “Customer first” culture
- Rapid response and flexibility
- Strong partnerships and direct communication
- Early involvement / program management approach
- Design for manufacturability / design for test
- Continuous improvement
- More than 25 years of industry best practice experience
- Expedient customer service and communication

- Superior quality products
- On time delivery of products and services
- Timely engineering evaluations, support and feedback
- Exceptional value and competitive lead time



# Machine Shop Capabilities

- **Located On-Site**
- **Precision, custom machining for aerospace and defense industries**
- **CNC vertical milling with live 4<sup>th</sup> axis tooling & offline programming**
- **CNC lathe with live tooling & offline programming**
- **Micro deburring, tumbling, media blasting**
- **Robust inspection reports**

