



NEO Tech Company Overview

2020

Introducing NEO Tech



N ATEL Engineering Co.
E PIC Technologies
OnCore Manufacturing



NEO Tech Fast Facts



- Tailored solutions in focused market sectors
 - Aerospace & Defense
 - Medical
 - Industrial
- Recognized for manufacturing high-reliability and high-quality solutions in mission-critical industries
- Global footprint
 - Corridors of Innovation
 - Low cost regions
- World-class supply chain, operations and IT and engineering infrastructure
- Expertise in Continuous Improvement of processes and quality

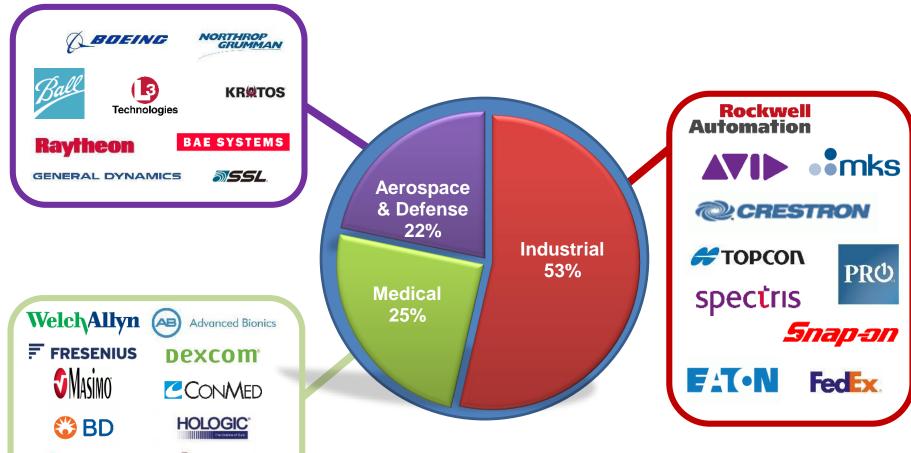
FY 2019 Revenue	\$ 800 Million
Employees	3,900
Manufacturing Sites	14
Manufacturing Space	1,500 Kft ²

The "NEO Tech Business System" is integrated into every facet of the organization

🕦 Integer"

NEO Tech Business is Balanced with Industry Leading Brands

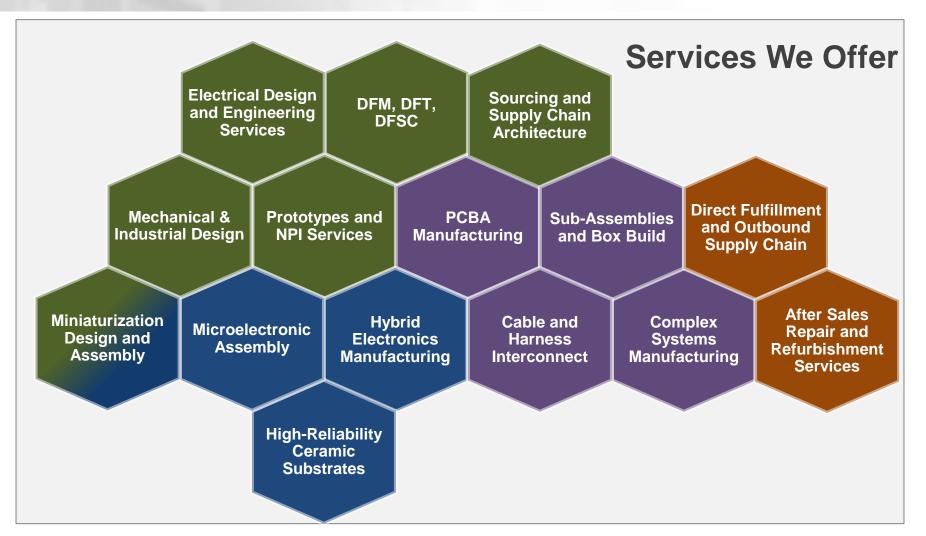




Business and customer diversity reduces risk

NEO Tech End-to-End Offering





We architect a solution tailored to your individual needs

ABOUT NEO Tech

























We Make Things...

- **Printed Circuit Board Assembly**
- System Assembly and Integration
- **Hybrid / Microwave Microelectronics**
- **Ceramic** Substrates
- **Cable and Harness** Interconnect



ABOUT NEO Tech



... that Go into High Reliability Programs



ABOUT NEO Tech





... and Specialize in the manufacture of High-mix and High-Complexity products







Focused High-Mix solutions

- PCBA / CCA and box build
- Extensive distribution partnerships and replenishment models for flexibility and risk management

Building High-Complexity systems

- Many subs and BOM layers
- Robust process transfer experience
- Integration of multiple technologies

Strategically Positioned Manufacturing Footprint



Chatsworth, CA

Carson City, NV

Carlsbad, CA

Fremont, CA

San Marcos, CA

Longmont, CO

Mason, OH

Westborough, MA

Juarez, Mexico

Tijuana, Mexico (2)

Suzhou, China

Naperville, IL



Quality Certifications in Strategic Market Segments



	Manufacturing Space (X1000 Ft²)	PCBA & System Integration	Hi-Reliability Substrates	Micro-electronics Assembly	Engineering & Other Services	Cable & Harness	Industrial	Medical ISO13485 & FDA Registered	Defense & Aerospace AS9100 & ITAR	Space Qualified MIL-PRF-38534 Class H & K / J-STD-001FS
Chatsworth, CA	200	✓		✓			X	X	X	X
Carson City, NV	24			✓			Х		Х	X
Valencia, CA	140	✓		✓			Х	X	Χ	X
Carlsbad, CA	45		✓				Х		Χ	
Fremont, CA	130	✓					Х	Χ		
San Marcos, CA	80	✓					Х	X	Х	
Longmont, CO	58	✓			✓		Х	Χ	Χ	
Mason, OH	74	✓					Х	X		
Westborough, MA	190	✓					X	X	Χ	
Juarez, Mexico (2)	397	✓			✓		X	X		
Tijuana, Mexico (2)	140	✓			✓	✓	X	X		
Suzhou, China	128	✓					X	X		
Naperville, IL	n/a				✓		X = Certified			

Delivering Personalized Material Supply Solutions



NEO Tech SCM

What We Do

Customer Deliverable

Your Business Impact

Sourcing

- Supplier cost leverage
- Preferred supplier programs
- Supplier replenishment programs
- Supplier assessments

Supply Chain Solutions Management

- Supply chain design
- Fulfillment modeling and architecture
- Customer cost management
- Component life-cycle management

Integrated Planning and Execution

- Customer focused team (CFT) based
- Closed loop planning
- Daily demand / exception management

Logistics

- Carrier relationship management
- Landed cost analysis
- Compliance
- Direct fulfillment

Tailored supply chain aligned with your unique needs and requirements

- Cost Leverage
- Flexibility aligned with market demand
- Continuity of Supply
- Risk Mitigation

VA / VE Value Add – Value Engineering

NEO Tech Helps OEMs Engineer Their Products



Engineering Service Solutions



Digital

Analog/RF

DFX

SW + FW

Capture & Layout

Re-Design / EOL

Component Engineering

Feature Add

Life Extension

Test Dev.

ICT

Boundary Scan

Functional Test

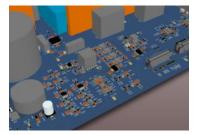
Prototype

Quick Turn

SMT + PTH + manual

Test





Test Engineering



Buffet Style: Choose whichever capability you need

Advanced Test Engineering

- Customer Seminars
- Customer Training
- Early Product Involvement
- DFM & DFT Reviews
- Test Strategy Development

Test Development

- Process Design
- Prototype and Preproduction Builds
- Manufacturing Test Development
- Through-Put Analysis
- Gap/Coverage Analysis

Full Test Suite

- ATE (AOI, 3D X-Ray, Flying Probe, ICT)
- Boundary Scan (Industry Leader)
- ICT- In-Circuit Test
- Functional, Digital/Analog/RF(PCBA through System)
- ESS/HASS/HALT
- Burn-in and/or Run-in
- Regulatory
- (Isolation, Hi-pot)

Functional Test Development



Test strategy - ensure the appropriate level of testing is performed at the earliest stage in the Process to reduce cost through early defect detection

- Functional test development
- PCBA functional testing within ICT
- Boundary Scan
- Simple to fully automated testing of PCBA and finished products





BScan and Functional testing at ICT





NEO Tech Interconnect









Simple Wiring Kits

Multi-conductor I/O Cables

Flat Cables







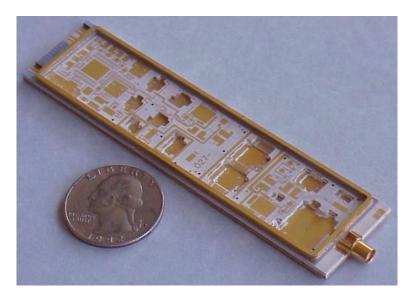
Simple Harness Assemblies

Complex Harness Assemblies

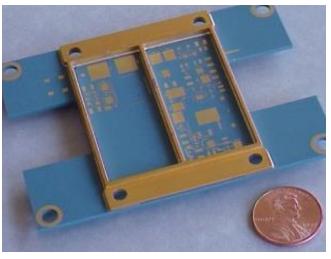
Coaxial / RF Cable Assemblies

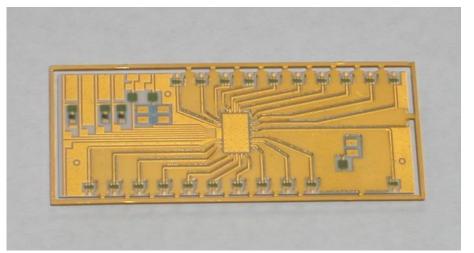
High-Reliability Ceramic Substrates NEOTech







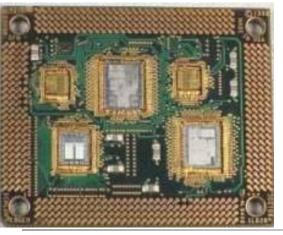


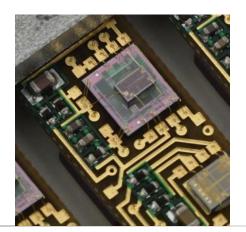


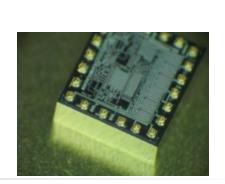
Microelectronic Assembly

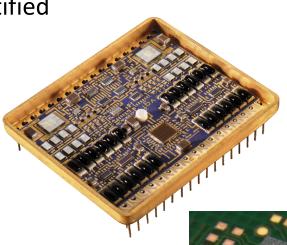


- MIL-PRF-38534 Class H and K Certified
- Chip and Wire Hybrids
- Multi-Chip-Modules (MCMs)
- Eutectic & Epoxy Die Attach
- Chip on Board
- Gold Stud Bump Die
- Flip Chip, CSP and BGA Attach









NEO Tech Offers Best of Both Worlds Solutions



The Small

EMS Market Space

The Large

Prototype & NPI Shops

Low Tier EMS

- ✓ Highly flexible
- Relationships directly with principals
 - ...BUT...
- Single site or region
- Homegrown and manual processes
- Limited supply chain leverage

NEO Tech Sweet Spot

- Complex product experience, challenging supply chains and regulated environments
- ✓ High-Reliability expertise
- ✓ Global Footprint
- ✓ Tier 1 toolsets and processes
- ✓ Flat and highly responsive organization--top to bottom
- ✓ Flexible solutions

Large Tier EMS

ODM's

- ✓ Wide capability range
- Integrated global infrastructure and tools
 - ...BUT...
- >\$50 mil to +Billion dollar engagements
- Rigid processes and business terms for smaller customers

NEO Tech is big enough to manage complexity and deliver a customized solution ...and small enough to care about you and your business as much as you do



Paxcell Group

Authorized Representative for NEOTech

1525 McCarthy Blvd. #1126 - Milpitas, CA

Phone: (408) 945-8054

Email: info@paxcell.com

See Our Video:



https://vimeo.com/202428221

Visit Us On-line At:

www.paxcell.com

