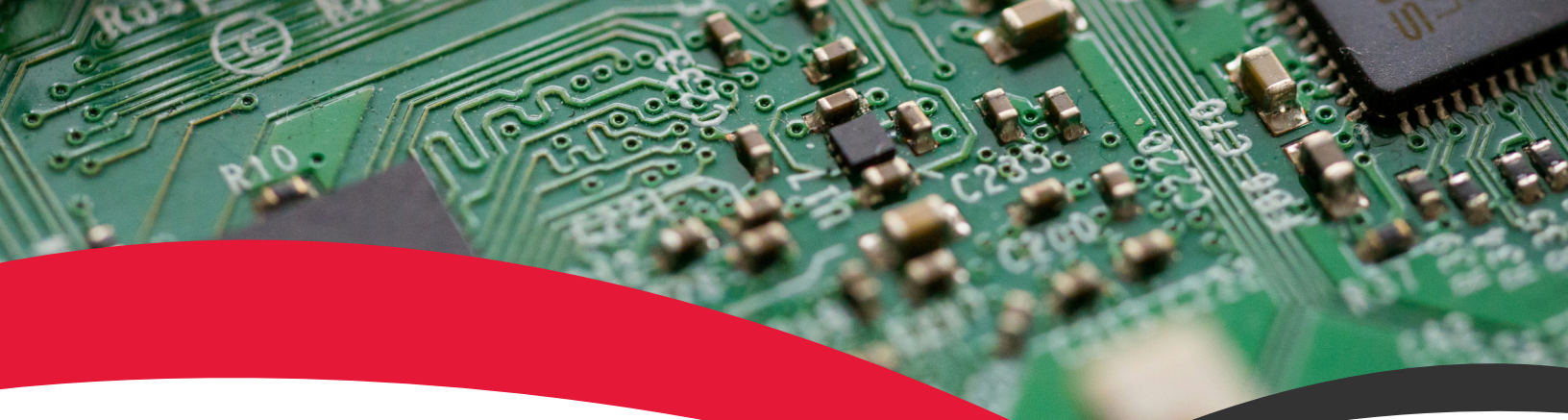


TRAMONTO™ CIRCUITS

# EXCEPTIONAL QUALITY AND ON-TIME DELIVERY SINCE 2008

Tramonto Circuits is a turnkey global provider of high-quality rigid and flexible printed circuit boards, flexible heaters, and assemblies. Since 2008, we have served the medical, transportation, aerospace, and consumer industries with robust solutions and cutting-edge technologies.

Our engineers support your project from the initial design review through final testing at our facility. With processes focused on consistency and precision, you will have peace of mind knowing you will receive the highest quality product, delivered on time and to your specifications.

98.15%

**On-Time Delivery**

99.83%

**Quality Ratio**

98%

**24-Hour Quotations**

ISO AGS AMERICAN GLOBAL STANDARDS 9001™

# Focused on the Future of Printed Circuit Manufacturing

Every project presents an opportunity to look at a circuit design through a different lens and develop a unique solution. Sometimes, the challenge is to build a circuit as cost-effectively as possible. Other projects are more complex, requiring us to troubleshoot lamination issues with new materials.

Though the basics of circuit manufacturing have widely remained unchanged, the evolution of product technology and our customers' needs present new challenges and opportunities to advance the industry with exciting solutions.

From day one, Tramonto Circuits has been committed to upholding company and industry standards for precision and quality. We are proud to have a team focused on maintaining the unmatched quality ratio and exceptional customer service we have built over the past two decades.


# Diverse Capabilities and Market Expertise

The right technology can make all the difference for your business. We offer a diverse range of solutions to help you maintain a competitive edge. All circuits are manufactured in our local ISO 9001:2015 certified facility. Circuits are built to IPC Class II or Class III specifications and  J Standard (J-STD-001).

**FLEXIBLE PRINTED CIRCUITS:** Single-sided and double-sided circuits, multi-layered circuits, flat flexible circuits, sculpted finger circuits, reverse-bared circuits, bare flexible circuits.

**FLEXIBLE HEATERS:** Single-sided, double-sided, and silicone rubber flexible heaters. Adhesive and spreader options.

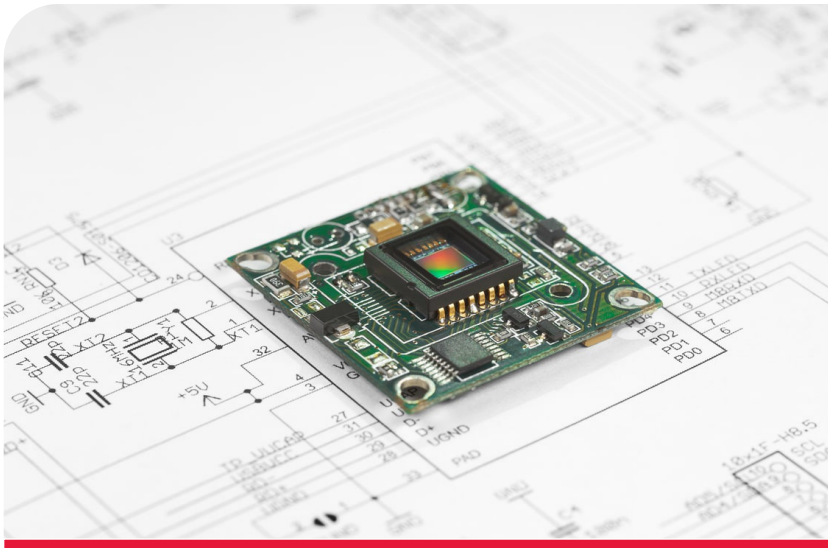
**FLEXIBLE HEATER DESIGN:** Full design of flexible polyimide heaters and silicone heaters. Support for design and material specifications.

**PRINTED CIRCUIT BOARDS:** Single-sided PCBS, double-sided PCBs, multi-layer circuit boards up to 20 layers.

**CIRCUIT BOARD ASSEMBLY:** Component assembly and functional test of flexible circuits, flexible heaters, and heater assemblies. Heat sink attachment.

**VALUE-ADDED SERVICES:** First articles and prototyping, inventory stocking, procurement, testing, and custom box builds.

Bring your designs to market with an engineering team who can support you through prototype through production.



# Committed to the Success of Your Business

**MEDICAL**

Ongoing support for projects with long development cycles and FDA approvals.

**CONSUMER ELECTRONICS**

Building smaller, lighter, and increasingly complex circuits without impacting quality.

**TRANSPORTATION**

Robust technologies for trains, cargo ships, and standard or electric-powered vehicles.

**AEROSPACE**

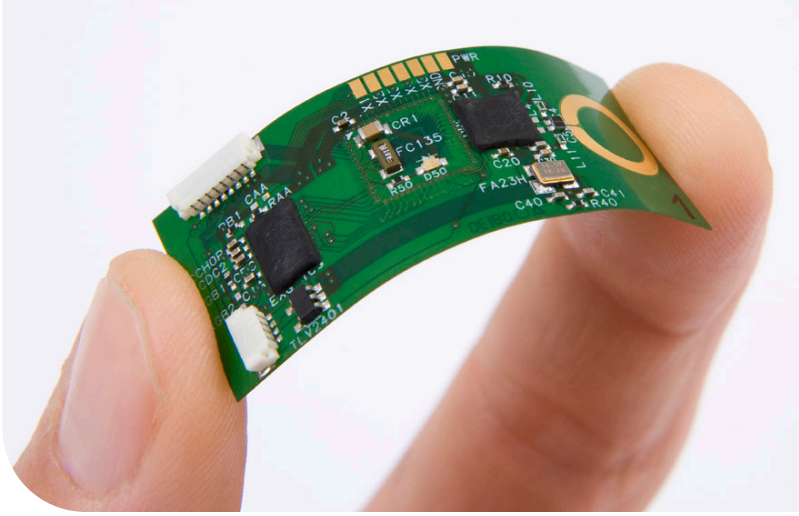
Perfecting designs and prototypes for performance in dynamic environments.

**INDUSTRIAL**

Versatile technologies designed for reliability in all equipment and devices.

# Our Process & Quality Commitment

Our collaborative and responsive engineering team supports you through the entire project. They are committed to consistently delivering high-quality products and services, resulting in a historic quality ratio of over 99%.



## Design for Manufacturability Assessment

Design submissions undergo a DFM review to determine whether your circuits are manufacturable as designed and can be consistently and reliably fabricated repeatedly. Designs receive final customer approval before fabrication begins.

## Production and In-Process Quality Inspections

Receive support and guidance from our engineers during every stage of the manufacturing process. We conduct rigorous, multi-point quality checks during fabrication in compliance with IPC Class II and Class III specifications and J Standard (J-STD-001).

## Final Inspection, Testing and Shipping

After production, we conduct a final inspection to ensure circuits and assemblies meet all applicable specifications and requirements. Functional tests are conducted as requested or required.

# Achieving Quality and On-Time Delivery Since 2008.