



Offering full service design and manufacturing for a
broad range of electronics for the aircraft and general
industry since 1963.

Quality Control Ratings & Certification
FAA Repair Station: PJ2R085L
EASA-145# EASA.145.5092
FAR 145

CONTRACT MANUFACTURING

PWI is a full service, quality driven, electronics contract manufacturing facility. PWI has been manufacturing electronics for our own product line for over 40 years. In 1975 PWI expanded outside of producing our own product line and now manufactures products for our customers that serve the aviation, agriculture, public transportation and general industries. PWI's manufacturing capabilities allow us to offer our customers a full range of services ranging from PC Board assemblies all the way through complete assembly and final testing. With our broad range of engineering capabilities, automated and semi-automated equipment, and highly experienced manufacturing personnel, PWI is able of providing high quality service in a timely manner and at an economical price.

Printed Circuit Board Assembly

- » Surface Mount Technology (SMT)
- » Thru Hole Technology
- » Hybrids (Designs utilizing both SMT and Thru Hole components)
- » PC Board Prototyping
- » ESD Compliant



SUB ASSEMBLIES ◦ FINAL ASSEMBLIES ◦ COMPLETE ASSEMBLIES

PWI's engineering staff is capable of designing analog and digital circuits, including anything from power conversion systems to industrial monitoring and control systems, as well as wireless communication. Projects can be as simple as a single coil design to a microcontroller based system that monitors multiple inputs, controls multiple outputs and communicates data to a PC.

- » Digital Controls
- » Power Supplies
- » AC/DC Inverter
- » Test Equipment
- » Economical PC Board Layout
- » Design Engineering
 - › Hardware
 - › Software
 - › Firmware



COLD CATHODE FLUORESCENT LIGHTING (CCFL)

PWI pioneered the use of CCFL lighting in general aviation back in 1973. Since its first introduction, PWI has advanced the technology and manufacturing of CCFL lights to the highest level. With our engineering and manufacturing capabilities, PWI can manufacture any color temperature including a full spectrum of colors, and any shape or size of light. Due to the energy efficiency and long life of PWI's lights, we have adapted them for numerous other markets including, commercial, residential and recreation vehicle lighting applications.

Lamp Options

- » 2 and 3 Dimensional
- » Wide Range of Color Temperatures



LED LIGHTING

PWI manufactures a complete line of LED Lighting products serving a wide range of lighting applications. PWI uses state-of-the-art LEDs and driver technology to produce energy-efficient and cost-effective lighting solutions. Our products are designed to provide both direct and indirect lighting for Aviation, Transportation, Residential and Commercial markets.



COIL WINDING

PWI was originally founded as Precision Winding Inc, and has been manufacturing transformers, inductors, chokes and solenoids for over 45 years. We specialize in custom designed transformers manufactured in small to medium quantity production runs. PWI is an excellent choice for high quality and economically priced wound magnetics.

Coil Winding Capabilities

- » High voltage Output Transformers
- » Switch Mode Transformers
- » Current Sense Transformers
- » EMI/RFI Filters
- » Toroidal Power Inductors
- » Common Mode Chokes
- » Magnetometer Coils
- » Air Coils
- » Wire Size Capabilities: 52AWG to 9AWG



ABOUT PWI

PWI, Inc., formerly known as Precision Winding, Inc., was founded in 1963 by Miklos (Miki) Lorik. Miki began his coil winding business using a modified sewing machine. As he continued to grow his business, Miki started purchasing more modern and advanced winding machines along the way. PWI began to expand into the electronic manufacturing business as well. In 1972, PWI pioneered Cold Cathode Fluorescent Lighting systems for aircraft. In 1999, PWI purchased the complete Tape Wound Bobbin Core product line from Friskam Infinitics. PWI's expertise expands to both inside and outside of the aviation industry. Over the years, PWI has expanded its product line into numerous and diverse markets such as Agricultural, Automotive, Motorcycle, Medical, Military, and Contract Manufacturing just to name a few.

In 2000 PWI changed it's name from Precision Winding, Inc. to PWI, Inc. in an endeavor to better represent the company. Also in 2000, Miki Lorik, Founder and Owner, announced his retirement. Though he is not active in the day-to-day processes, he remains PWI's CEO. His vision is carried on by two of his children. Robi Lorik serves as President and Judy Baldwin is Vice-President and Secretary/Treasurer. Both have been actively working in the business for over 25 years.

PWI, Inc. is located in Wichita, Kansas - the "Air Capital of the World". Wichita is home of four of the major aircraft companies: Hawker/Raytheon, Learjet/Bombardier, Cessna, and Boeing - all of which are customers of PWI as well.

PWI continues to maintain the philosophy and practice of integrity, customer service, and quality that has made us the successful business we are today. We are proud of our past accomplishments and look forward to the partnerships and endeavors of the futures.