

IN HOUSE – ENVIRONMENTAL TESTING AND CHAMBER CAPABILITIES

Temperature Testing

- Per EIA -364-17
- -38°C to +260°C

Thermal Shock

- Per EIA -364-32
- -38°C to + 260° C
- -75°C to +200°C

Humidity

- Per EIA -364-31
- -12°C to+ 93°C
- 20% RH to 98%RH

Salt Spray

- Per EIA -364-26
- Salt Spray Chamber:
5% Salt Spray Solution

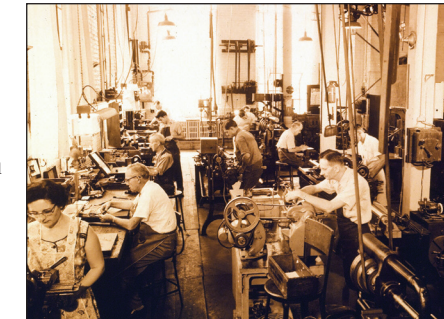
SHOCK & VIBRATION TESTING

Testing performed to the following specifications:

- MIL-DTL-24308
- MIL-DTL-28804
- MIL-DTL-83503

SERVING CUSTOMERS SINCE 1904

Our history dates from the earliest days of electronics. The Wirt Company was founded in 1904 by Charles Wirt, an associate of Thomas Alva Edison. Wirt pioneered the development of wire wound potentiometers, fixed wire wound resistors, automotive spark suppressors and slide switches. At the same time, engineers at Continental Carbon were creating basic processes for producing carbon resistors, metal film resistors and carbon film resistors. Following their merger, Continental Carbon, Inc. and The Wirt Company became Continental-Wirt Electronics Corporation - CW Industries.



DESIGN ENGINEERING

CW Engineering works closely with our customers to design innovative and high quality options for electromechanical switches, connectors and Build-to-Print sub assemblies. We provide comprehensive customer support with on-site design and technical assistance to enable our customers to go from product concept to production without delay. Our engineers utilize Catia, Pro E, AutoCAD & Solid Works software and Stereo Lithography Apparatus (SLA) to rapidly produce 3D prototypes without incurring substantial tooling costs.



MANUFACTURING AND AUTOMATION

Our fully integrated manufacturing facilities permit us to control the conversion of raw materials to finished product. In addition to engineering each of our basic designs and patented features, we have the capabilities to injection and insert mold, stamp and plate in-house virtually every component used in each of our products. We design and build our own molds and contact dies in three state of the art tool shops as well as most of our assembly equipment.



AN ISO/ ITAR REGISTERED COMPANY THAT DELIVERS WORLD CLASS QUALITY

When manufacturing and assembling critical components; traceability, process control and compliance are critical. CW has the certifications, staff, expertise and equipment necessary to competitively meet your program requirements quality components to its customers.

CW is an ITAR registered company with the United States Department of State, Office of Defense trade Controls Compliance and Registration Division and has a long-standing reputation for providing high quality components to our customers.

- ISO 9001:2008
- UL Registration File: E 9556
- UL/CSA/DOD Certified Test Lab
- MIL-STD 1916 Compliant
- Cage Code: 79727
- ITAR Registration: M22285



MILITARY PRODUCTS & CAPABILITIES



For Today's Sophisticated Military Electronic Equipment



CW Industries - 130 James Way - Southampton PA 18966

Phone: 215-355-7080 • Fax: 215-355-1088

Email: Info@cwind.com Or Visit our website at www.cwind.com



• CUSTOM DESIGNED MILITARY CONNECTORS & SWITCHES

• MIL SPEC & OPL INTERCONNECT PRODUCTS

• BUILD TO PRINT CONTRACT MANUFACTURING

INNOVATION EVERY STEP OF THE WAY

CW Industries supplies leading Military and Defense Manufacturers with complex Electromechanical Switches; Insulation Displacement and MIL SPEC Connectors; Custom Switches and Connectors and Build- To- Print Contract Manufactured products that require a high level of precision, performance and reliability.

HIGH DENSITY RECTANGULAR CONNECTORS

Major defense contractors rely on CW Industries for innovative connector designs and QPL interconnect products. They recognize CW as a resourceful partner with a proven track record in creating new interconnection products and developing more economical manufacturing processes for existing designs.

Our High Density Rectangular Connectors meet the high density and high shock requirements of today's sophisticated military electronics equipment.

You'll find our QPL and NAVSEA interconnects in major defense systems including the F-16, US Navy Standard Missile Systems, the Patriot surface-to-air missile, the Phalanx anti-missile system, ground combat and assault vehicles, mobile communication systems and various torpedo and guided missile programs.

CW offers total connector development and manufacturing support. Our design teams transform your ideas into prototypes, test them in our UL, CSA and DOD-certified laboratory and engineer the most economical production processes. Our manufacturing team closely supervises every aspect of production, from raw materials through quality conformance.

QPL

- MIL-DTL-83503
- MIL-DTL-24308
- MIL-DTL-28804

NAVSEA

- 3164341
- 3217495
- 5189096
- 5189013
- 3164342
- 3217496
- 5189097
- 5189014



CUSTOM SWITCHES & CONNECTORS

CW has the capability, willingness and resources to not only design a custom product but also modify a standard product to meet the specific design requirements. Every project is produced to the unique specs of our customers with *low minimum order requirements*.

Our new product development staff is focused on solutions and has a proven track record of bringing new designs to market. We are vertically integrated and this gives CW a key competitive advantage. We control the design, validation, tooling and manufacturing of your custom product utilizing our unique in-house capabilities.

CW's position of leadership in the industry is a direct result of our leading role in the development of many military standards. Whether you are an established military supplier or bidding on a new defense contract, CW has the ingenuity and resources to help make your project a technical and financial success.

INSULATION DISPLACEMENT CONNECTORS

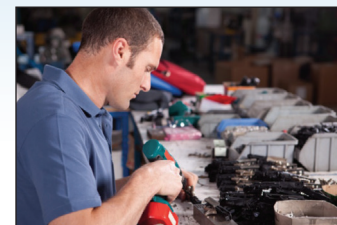


CW mass terminated Insulation Displacement Connectors are designed to provide a highly reliable, long term, connection at every position. We offer a complete series of DIP, PCB, Socket, Header, Card Edge and D-Subminiature Connectors that are directly interchangeable with other industry standards. CW connector products are recognized by customers throughout the world for their availability, reliability and superior performance.



Custom Rotary Encoder with LED

CONTRACT MANUFACTURING: BUILD-TO-PRINT

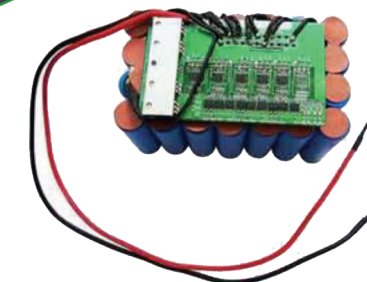
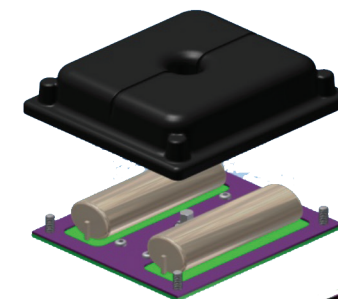
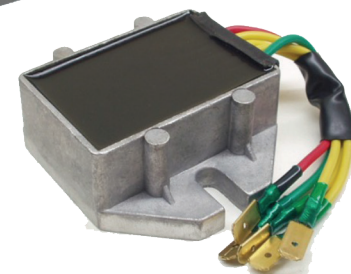
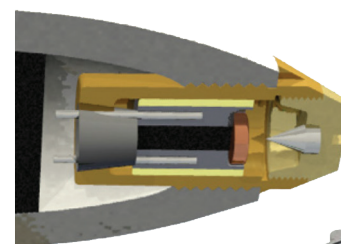


CW Industries is a full service, contract manufacturer with engineering and design services that support mission critical program requirements. Our expertise is in high-mix, low to medium volume, turnkey contract manufacturing for a wide range

of Defense, Aerospace, & Medical manufacturers, providing high value and cost-effective services. Our Vertical Integration gives us a competitive advantage - From design to full production - In House in the USA.

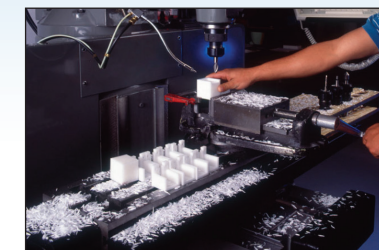
CW is an ITAR registered company with the United States Department of State, Office of Defense trade Controls Compliance and Registration Division. CW's quality standards satisfy all ISO, UL, ITAR, and MIL-STD government requirements.

- CNC Machining
- Mechanical Assembly and Small Box Build
- Quick-Turn Prototype
- Complete Engineering, Design & Testing
- Stamping & Metal Finishing
- Soldering certified to ANSI J-STD-001
- JIT Delivery & Inventory Management
- Supply Chain Management & Qualification
- Key Program Management
- Plastic Insert and Injection Molding
- Plating
- Automated Process for Liquid Dispensing and Subassembly Operations
- Potting & Encapsulating
- Custom Printing and Hot Stamping
- Temperature and Humidity Controlled Assembly Areas
- Design and Construction of Molds, Dies, Fixtures, X-Ray & Inspection Equipment



CONTRACT MANUFACTURING SERVICES

CW has developed automated and semi automated processes that are transferable to new applications providing our valued customers with cost effective manufacturing and reliable solutions.



- Small Electromechanical Box Builds & Subsystem Modules
- Low Voltage Battery Box Assembly
- Classified Military Products
- Medical Device & Instrumentation
- Industrial Devices
- Ammunition Components and End Cap Assemblies
- Guidance Systems
- Military Electronics & Communications
- Missile & Torpedo Sub Components



CUSTOM DESIGNS FOR SUPERIOR PERFORMANCE