

Continued industry shift toward outsourcing and the growing importance of establishing strategic contract manufacturing partnerships

In today's highly-competitive global market, electronics companies must continually invest in research and development of leading-edge

technologies to provide customers with superior products, service, and value. Business leaders are rethinking their organizations in order to maintain their industry leading positions.

Today's high tech companies are focused on building innovation, knowledge, and the development of intellectual property. Revenue streams for equipment suppliers are no longer entirely generated from hardware – licensing superior technology is fast becoming a strategic additive source of income. Sluggish market conditions and increased global competition have forced the electronics industry to focus resources on developing technological advantages at the expense of maintaining vast manufacturing operations.

Never before has the need for outsourcing been so critical as it is today. Nimbler and leaner OEMs need partnerships with contract manufacturers who can provide the same type of quality, service, knowledge, and responsiveness as in-house production facilities. Winchester Electronics' Cable Assembly Value Added (CAVA) Operations has been fulfilling this role since 1999, providing our customers with outstanding service and technical support at competitive prices globally.

Combining our 60-year connector engineering and manufacturing expertise with our cable assembly and value added capabilities into vertically integrated manufacturing facilities, Winchester Electronics can help your company maintain its edge by providing engineered solutions and high quality products built to stringent specifications at reduced cost and time-to-market.

ISO 9001-2000 Certification

cus on high mix / low-medium volume production requirements

Winchester supplies a variety of RF cable assemblies, wire harness and jacketed cable assemblies, and electro-mechanical and box build assemblies to customers in the wireless, telecommunications, computer, military, instrumentation, and medical equipment industries. Our capabilities also include collaborating with our customers and providing assistance with new product design, documentation, component sourcing, and rapid prototyping.





Electrical testing is performed 100% using:

- Associated Research AC/DC Hypot Testers to 5,000 Volt AC/DC
- Cablescan Continuity Testers

VALUE ADDED PRODUCTS

Electromechanical & Box Build

Dock-to-Production Line Delivery



Engineering & product design capabilities

Engineers at Winchester are trained in the latest computer design and simulation tools available including:

- CoCreate OneSpace Designer (3-D and 2-D)
- CoCreate OneSpace.net Web-based Collaborative Design
- CoCreate Design Analysis (Mechanical Analysis Tool)
- Ansoft HFSS™
- AutoCAD 2000 2-D

State-of-the-art manufacturing equipment

Winchester's CAVA Operations utilize advanced production equipment to fabricate and maintain quality control of RF and wire harness assemblies.



CABLE PREPARATION

- Schleuniger® SR 1000 Semi-rigid
 Cable Stripping Machine
- Schleuniger® MP257 & PS9500RS Coaxial Cable Stripping Equipment
- Betta Semi-rigid Cable Bending Equipment
- Temperature Cycling Ovens
- Sumitube® Marking Equipment
- Laser Stripping Equipment Machines
- Pneumatic RF Connector Crimping Equipment

SOLDERING

- Seven Associates Induction Soldering Equipment
- American Beauty Resistive Soldering Equipment
- Edsyn Controlled Temperature Soldering Stations
- Video Camera and Television Inspection and Soldering Stations



Certifications

CAVA facilities are UL listed per ZPFW2 Wiring Harness-Component. Operators adhere to Winchester's ISO certified quality management system and operator program. Operators are certified to soldering workmanship standard IPC-A-610 and cable and wire harness assemblies workmanship standard IPC/WHMA-A-620.

