



Partnership Manufacturing and Value Added Assembly

BEST OF CLASS



Jewell Instruments' partnership manufacturing and assembly capabilities offer Original Equipment Manufacturers low-cost, efficient solutions to meet their outsourcing needs. Today's OEM depends on an outsourcing partner that offers broad engineering and manufacturing capabilities, a wide range of assembly expertise, and a philosophy of solution-oriented service and customer satisfaction.

Partnership Manufacturing and Value Added Assembly

Engineering Solutions

- Testing Capability
- Value Added Engineering
- Configuration Management
- Reliability/Maintainability
- Technical Manuals
- Manufacturing Engineering/Design
- CAD/CAM Documentation
- Design and Process Engineering

Quality Commitments

- MIL - I - 45208
- SPC Techniques
- ANSI-J Soldering
- ISO 9001 Compliant

Customer Benefits

- Reduced total acquisition costs
- Prolong mature product life cycle with competitive cost structure
- Vendor database reduction
- Improved and consistent quality
- Lower inventory carrying costs
- Increased technical support
- Reduction in Personnel
- No capital investment
- Fewer part numbers

Facilities

Manchester, New Hampshire, USA

- 25,000 sq ft white room environment
- 60,000 sq ft total facility space

Barbados, West Indies

- 20,000 sq ft white room environment
- 25,000 sq ft total facility space



Applications

- Test & Measurement
- Electro-Mechanical Assembly
- Medical Devices
- Soldering
- Sensing
- Avionics
- Positioning
- Semi Conductor
- Flow Measurement
- Photography
- Copiers



Jewell Instruments' partnership manufacturing and assembly expertise extends from products as diverse as high-end stereo amplifiers to cameras, computers and even avionic instrumentation.

Although we can assemble any electro-mechanical product, many opportunities for value-added assembly work stem from our own 4 existing product lines. Examples of our ability are detailed below.



Integration of JEWELL instrumentation into value-added assemblies

System Control Panel Assembly

- JEWELL analog panel meters
- Customer provided products:
 - PC board
 - Control buttons
 - Machined aluminum face plate
- Jewell's integration of these products provides you, the customer, with a product ready for the next level of assembly in your facility
 - Saves time
 - Saves labor costs

JEWELL meters in partnership manufacturing

Hand-held Computer Application

- JEWELL digital panel meter
- Customer provided products:
 - PC board assembly
 - Molded plastic housing
 - External Connectors
 - Keypad
- Jewell's in-house partnership manufacturing service is highlighted by our ability to integrate our own brand panel meters into higher level assemblies.
 - Enhances customer assembly process
 - Improves quality



More JEWELL products incorporated into value-added assemblies

Electro-mechanical Assembly

- JEWELL linear solenoids for camera applications
- Customer provided products:
 - Cast, molded and machined mechanical components
 - Lenses
 - Additional hardware (springs, gears, etc.)
- Jewell's expert assembly of complex units assures quality and reliability
 - Unlimited by size
 - Unlimited by shape

