

CDM QUALITY TEST CAPABILITIES

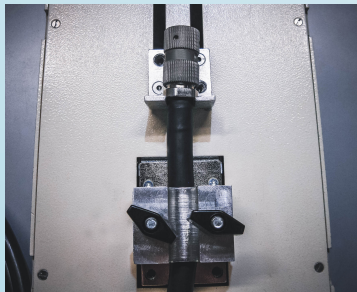
Dimensional Verification

- Standard Measuring Devices
 - Calipers
 - Indicators
 - Radius Gages
- Optical Comparator
- Pin Gages
- Thread Gages (Plug & Ring)
- Functional Gages (Go, NoGo, Fit)



Force & Strain Testing

- Tensile Strength (Wire, Crimp, Terminals)
- Cable Pull Testing
- Axial Push & Pull
- Contract/Mating Connector Engagement & Separation Forces
 - Force Gages (oz. & lbs.)
 - Drop Gages (Go & NoGo)
- Radial Torque



Mechanical Testing

- Durometers
- Durability
- Flex/Bend
- Solderability

Environmental Testing

- Water Immersion
- Steam and Water Jet Testing
- Atmospheric Pressure/Altitude Testing
- Pressure/Leak Testing
- High/Low Temperature Testing (storage, Flex, etc.)
- Thermal Shock/Cycling
- Moisture Resistance/Humidity
- Temperature/Humidity Recording

Electrical Testing

- AC/DC Dielectric Withstanding Voltage
- Insulation Resistance
- Resistance
- Voltage Drop
- Continuity
- Voltage Standing Wave Ratio
- Insertion Loss
- Contact Resistance
- LAN Testing
- Automated and Manual Testing



Optical Inspection

- Microscopes
- Mantis Viewing System
- Recording equipment and software

RF TESTING CAPABILITIES

CDM Electronics has become a valued partner to defense contractors, telecommunications and transit equipment manufacturers through onsite RF testing capabilities.

The Agilent N5230A is CDM's primary RF network analyzer that delivers:

- 300 KHz to 20 GHz test frequency range
- 103 dB dynamic range and <0.004 dB trace noise
- 4.5 usec/point measurement speed, 32 channels, 16,001 points
- Test options include:
 - Time Domain/Time Delay
 - Insertion Loss
 - VSWR (Voltage Standing Wave Ratio)
 - Phase matching

