



## High Power RF and Microwave Technologies

MICRONETIXX TECHNOLOGIES has been a valued technology partner and solutions provider to the Defense industry for over two decades, and has maintained a leadership position by meeting the specific demands of our military. As technology trends lead to more sophisticated systems and components, our broad-based knowledge and integration expertise make us a superior outsource supply partner.

### **Micronetixx is a Pioneer of RF and Microwave Devices for Military and Defense Applications**

Our unique experience in the special field of High Power RF and Microwave Components, Systems and Networks, specially-designed for High-Rel Defense Applications and constructed to deliver leading edge solutions for today's changing military systems. These include:

- **Networks and Devices from Kilowatts to Megawatts Power Levels**
- **Filters, Ferrite Circulators and Isolated Combiners**
- **High-Precision Waveguide and Coax Directional Couplers**
- **High Power RF & Microwave System Instrumentation**
- **Waveguide and Coaxial Line & Components**
- **Dummy Loads**
- **High Power Isolators**
- **High Power Sub-Assemblies**
- **Antennas and Antenna Systems**



## Custom Devices for Specific Requirements

Micronetixx Technologies' Military RF and Microwave Group specializes in either custom and/or production military-specification RF and microwave devices.



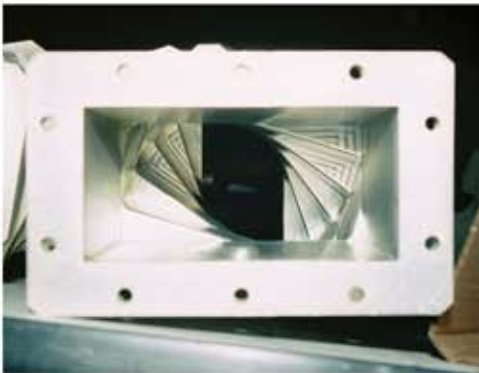
High Power 3-Port Waveguide Circulator



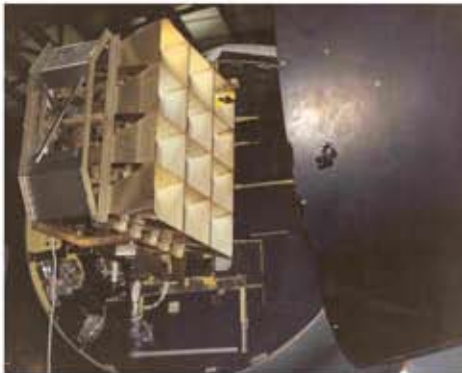
WR-650 Waveguide Patch Panel



Welds that Surpass Industry Standards



WR-650 Waveguide Step-Twist



Horn Array



9 3/16 Inch High Power  
Coax Expansion Section

### General Specifications:

- Power Levels to Several Megawatts
- Directional Couplers with >40 dB Directivities
- Components in Copper, Stainless or Aluminum
- Liquid and/or Air-Cooled Precision Components
- Aluminum Surfaces IAW MIL-C-5541 Class 1 A
- Environment: Pressure, Vacuum or Ambient
- Adjustable Automatic Tuners & Phase Shifters
- Patents-Pending or Issued
- Custom, Precision High Power Microwave Devices



High Power Vacuum Waveguide  
Dual-Directional Coupler



Waveguide Dummy Load