



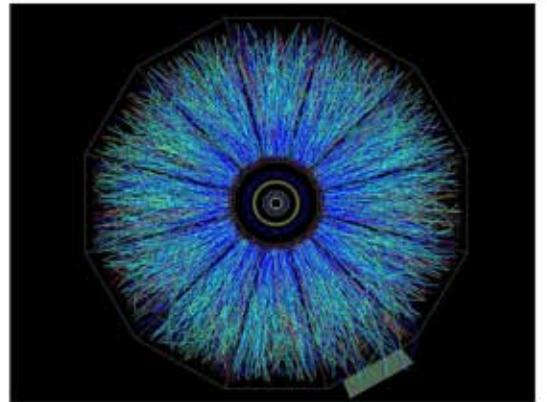
## Precision Devices for High Energy Physics

MICRONETIXX TECHNOLOGIES has earned a global reputation as the preferred partner in applications for high power RF and microwave technology. We are a leading provider of devices and assemblies for high energy physics and scientific research applications. The only way to fulfill the rigorous requirements of the advancements in these exciting new frontiers is by working with technology partners who are equally well-equipped to meet them. It's what we've been doing for the last three decades, and will continue to do well into the future.

### **Micronetixx High Power Devices Assist New Technologies**

Our state-of-the-art manufacturing techniques and aggressive pursuit of improved processes make us the perfect choice for the design and construction of complex high power RF and microwave devices. Here are just a few of the innovative products we offer:

- **Precision Directional Couplers**
- **Waveguide and Coax Components**
- **High Power Ferrite Devices**
- **Automatic and Manual Impedance Tuners**
- **Phase Shifters**
- **RF and Microwave Instrumentation and Controls**
- **Custom High Power RF and Microwave Devices**



## Custom Designed High Power RF and Microwave Devices to Fit Exacting Requirements

Micronetixx Technologies has developed special expertise in key engineering disciplines, and our design team is uniquely qualified to deliver superbly-engineered custom components and microwave subsystems for the Scientific and Research communities, on time and within budget.



50 Ohm High Power Coaxial Gas Barrier



WR-650 Waveguide Patch Panel



Welds that Surpass Industry Standards



4-Way Isolated Power Combiner



High Power Vacuum S-Band Waveguide Phase Shifter



High Power Vacuum Waveguide Directional Coupler

### 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, Ambient or SF<sub>6</sub>
- Adjustable Automatic Tuners & Phase Shifters
- Multiple Patents-Pending or Issued
- Custom, Precision High Power Microwave Devices



Radiation-Hard Coaxial Motorized Phase Shifter