



Precision Medical Microwave Devices

We SPECIALIZE in the design and manufacture of the highest quality High Power Microwave Components for Medical LINAC's and other Medical Applications. Our extensive library of component designs makes us the most reliable resource for providing the best solutions to specific customer requirements. Micronetixx components are used by top companies and are rated best in quality, reliability, and durability.

Micronetixx Microwave Physicists work closely with clients to ensure absolute compatibility with all engineering requirements, established by our customers for application and use in their equipment.

Micronetixx Offers an Extensive Library of High Power Component Designs for Radiation Therapy Devices.

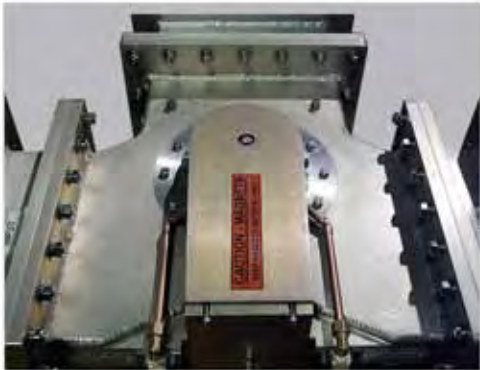
Our primary market focuses on the S-band, L-band, and X-band linear accelerator technologies with increased power handling capabilities and lower insertion loss levels. Micronetixx component designs include:

- Waveguide Components (Sizes: WR-2300 to WR-112)
- High Power Microwave Circulators & Isolators
- High Power Liquid-Resistor Dummy Loads
- Precision Directional Couplers
- Microwave Power Measurement Systems
- Waveguide



Designs for Your Specific Performance Requirements

As technology advances and demands increase in the radiation therapy field, Micronetixx engineers have helped set the pace by providing high power components that surpass the latest application requirements. Our state-of-the-art devices provide the stability and strict control needed by these new systems.



High Power Circulators & Isolators



Precision Directional Couplers



Welds that Surpass Industry Standards



100 kW MW Source Rectifier Assembly

SpinFlux™ Spin-Polarized Microwave Feed



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 1A
- Environment: Pressure, Vacuum or Ambient
- Adjustable Automatic Tuners & Phase Shifters
- Patents-Pending or Issued
- Custom, Precision High Power Microwave Devices



Liquid Resistor Waveguide Dummy Loads