



MICRONETIXX

High Power Industrial Microwave Systems & Components

High Power Industrial Microwave Technology

For over 25 years, MICRONETIXX TECHNOLOGIES has built a solid reputation for the design and manufacture of high quality precision industrial microwave Devices and Systems. This special dedication has earned us our role as the leading supplier of High Power Industrial Microwave Technologies.

Our engineering and design team is comprised of highly-skilled RF and Microwave specialists and our dedicated support staff provides unparalleled service and support from start to finish.

Micronetixx Serves a Variety of Industrial Microwave Applications worldwide and we're committed to providing our customers with the necessary resources and services to support their industrial microwave processing Requirements.

- Precision Single-Mode Engineered-Lumber Microwave Systems
- De-Watering Systems for Bio-Solids
- **SpinFlux™** Polarized Microwave Feeds
- Circulators, Isolators, Spare Parts & Training
- Precision Hand-Held Microwave Kilowatt Digital Power Meters
- Waveguide and Components
- **SOFT-Wave™** Microwave De-Watering Systems for Coal & Mineral Ore



State-of-the-Art Manufacturing and Testing Equipment

Micronetixx relies on a state-of-the-art computerized system to control production and inventory. We maintain a large supply of materials and utilize all of our own in-house manufacturing/testing equipment, giving us total control of every step in the production process.



High Power 3-Port Waveguide Circulator



Water-Cooled Coaxial Low-Pass Filters



Welds that Surpass Industry Standards



High Power Microwave Engineered Lumber Heating System

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 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 S-Band Waveguide Phase Shifter



Waveguide Dummy Load

Note: Some images in this document are representative of equipment Micronetixx is able to supply.