



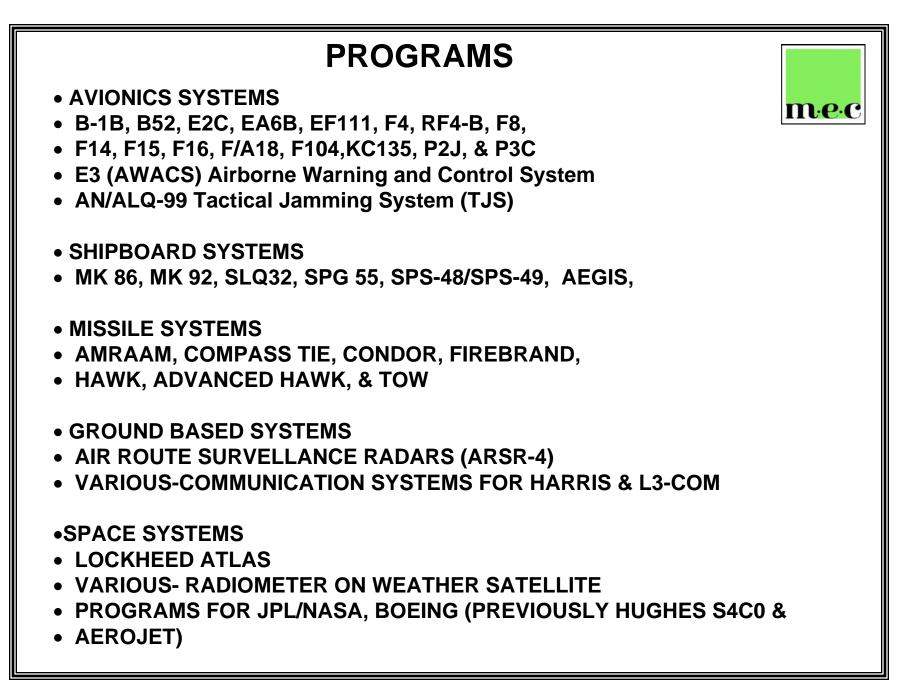
- Founded in 1968 originally named Microwave Research Corporation (MRC)
- Based in North Andover, Massachusetts, USA with over 55,000 sq. ft. of floor space
- 90+ Employees
- Name change to MICROWAVE ENGINEERING CORPORATION (MEC) IN 1984
- Acquired Tech Systems (previously Technicraft) in 1992
 Flex Waveguide (Seamless, Twistable, Sideseam)
 All products continued to be supported by MEC
- Acquired SierraCom (previously Neico) in 2002
 High Power Components & Antenna Products
 All products continued to be supported by MEC

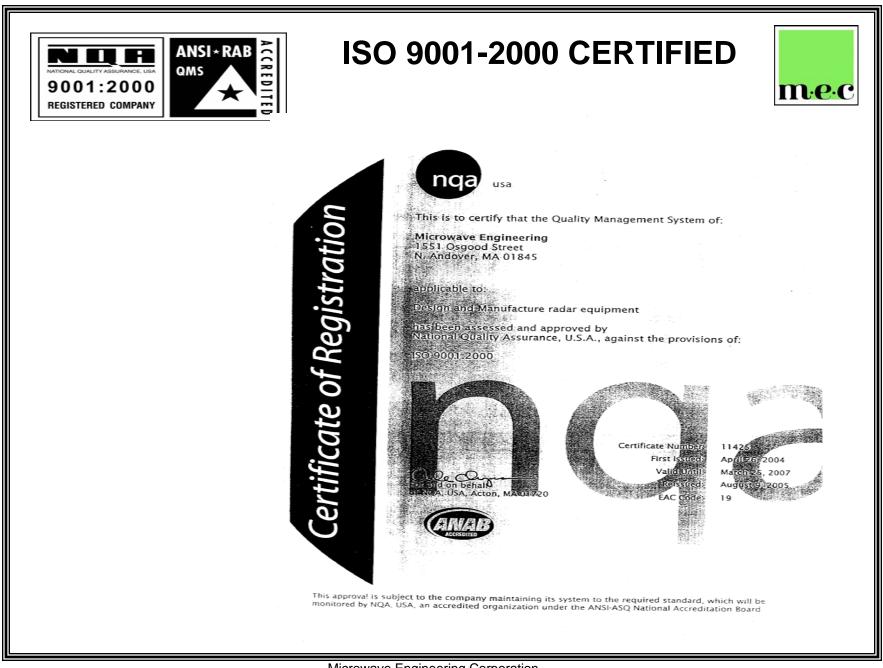




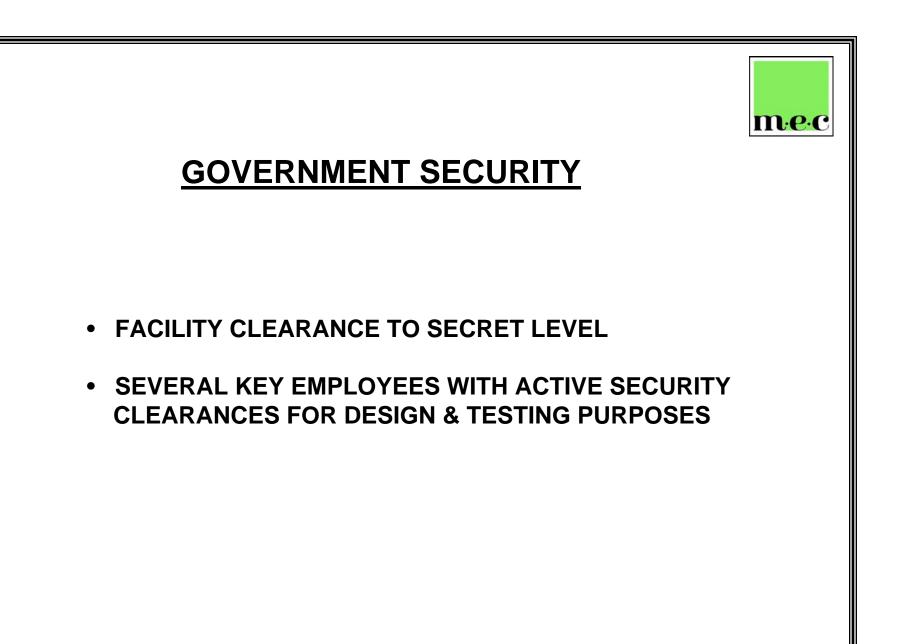
BUSINESS FOCUS IN PASSIVE MICROWAVE COMPONENTS & SUBSYSTEMS

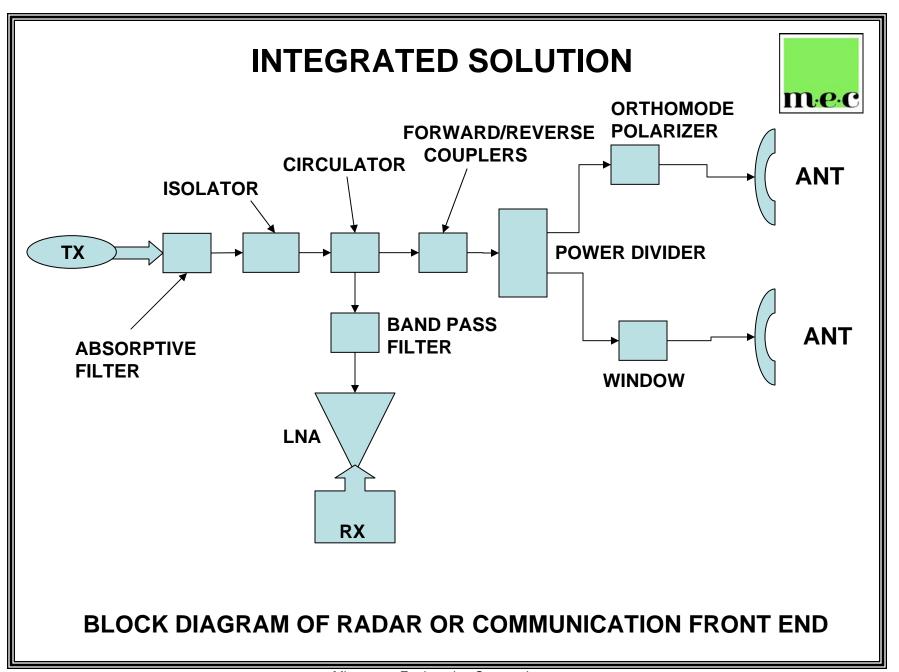
- MILITARY DEFENSE RADAR & COMMUNICATION SYSTEMS
- MILITARY ELECTRONIC WARFARE SYSTEMS
- SPACE WAVEGUIDE / FLEX & COMPONENTS
- GOVERNMENT REPAIR / REFURBISHMENT SERVICE

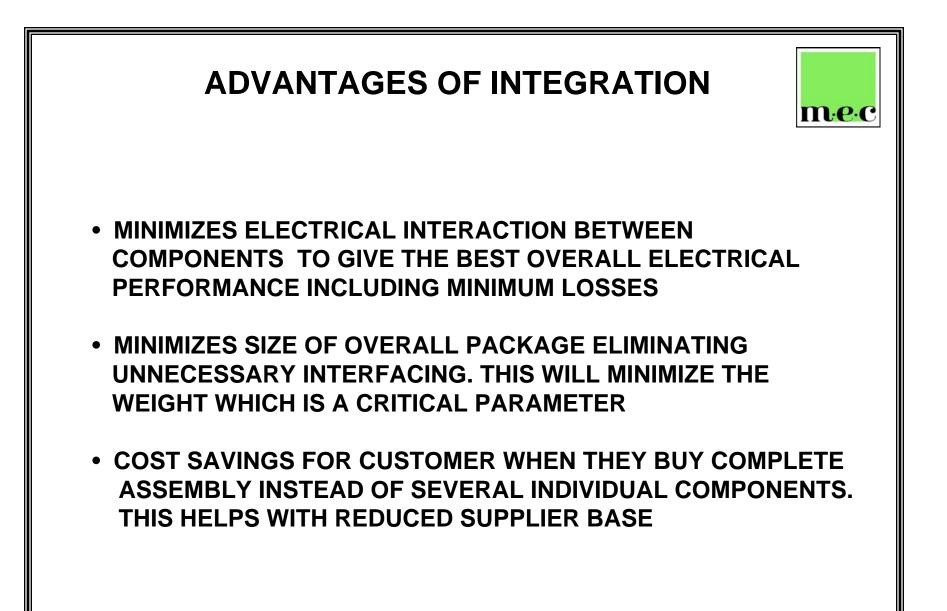




Microwave Engineering Corporation 1551 Osgood St. North Andover, MA 01845







MEC PRODUCTS COAXIAL & WAVEGUIDE

CUSTOM PRODUCTS

INTEGRATION OF COMPONENTS INTO A COMPLETE ASSEMBLY

ANTENNAS: Spiral_Horn_Bicone_Blade_Flush Mount_Dipole_Monopole_Single or Double Polarizations in Linear and Circular available_Radome_Lens_Feed_Multi-Frequency Feeds (500Mhz-60 Ghz+)

COMPONENTS: Magic Tees Hybrids, Monopulse Comparators, Directional Couplers, Circulators & Isolators, Transitions Tapers_WG to Coax, Terminations (Low_Med_High Power), Pressure Windows, Power Dividers/Combiners, Arrays and Feed Networks, OMT's (Orthomode Transducers), Septum Polarizers, Rectangular, Double Ridge, QUAD-Ridge, Coax and Custom waveguides available. DC-60 GHz+

FILTERS/DIPLEXERS: High Power Absorptive Harmonic, Reflective, Waffle, Low Pass, Band Pass, High Pass, Waveguide and Coaxial.

Waveguide Inventory:

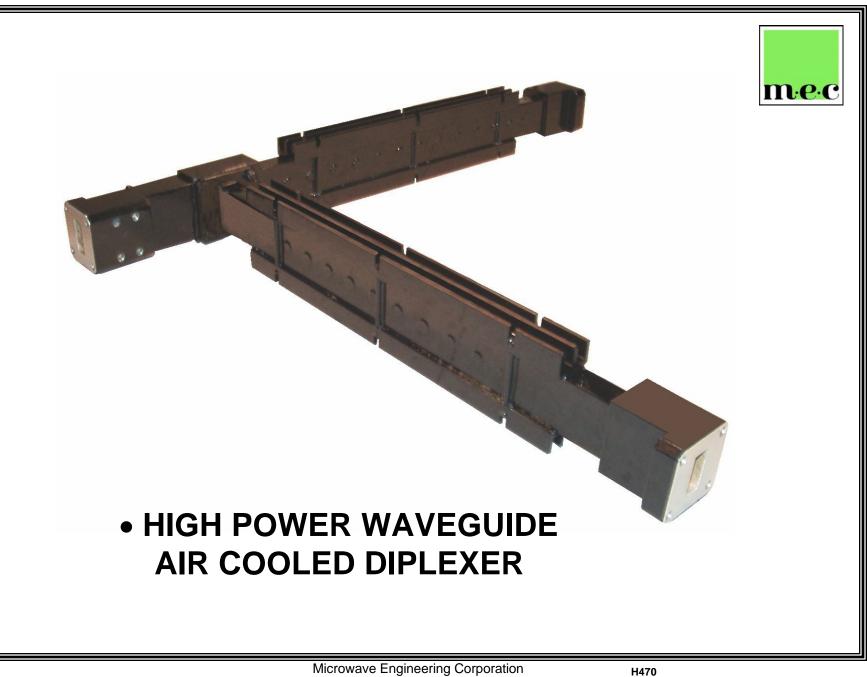
MEC stocks and Supplies a large selection of Double Ridge, Rectangular, Flexible and Quad-Ridge waveguides. Aluminums (6061,6063...), OFHC Copper, Coin Silver, Thin walls, half heights, and Special Custom Waveguide Sizes and other materials are available. Mil-W-85 compliant.

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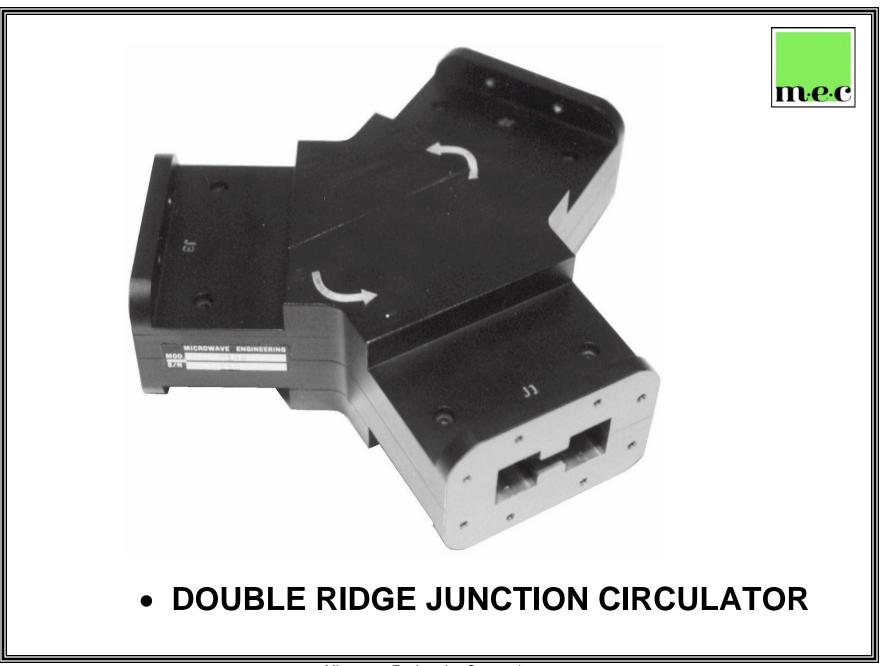




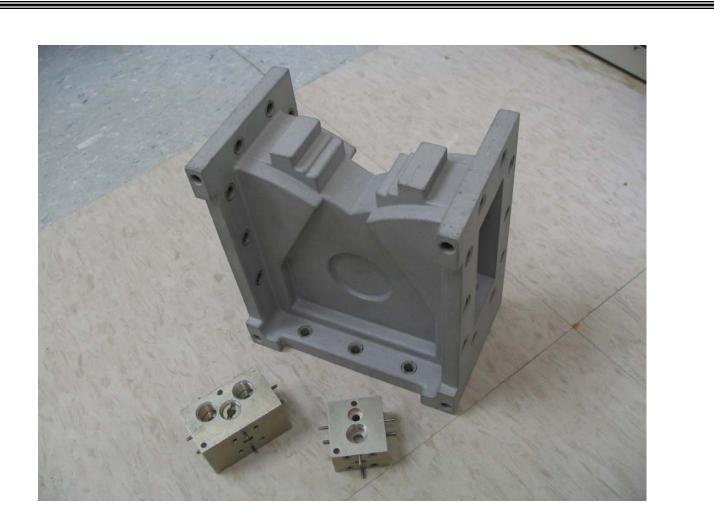








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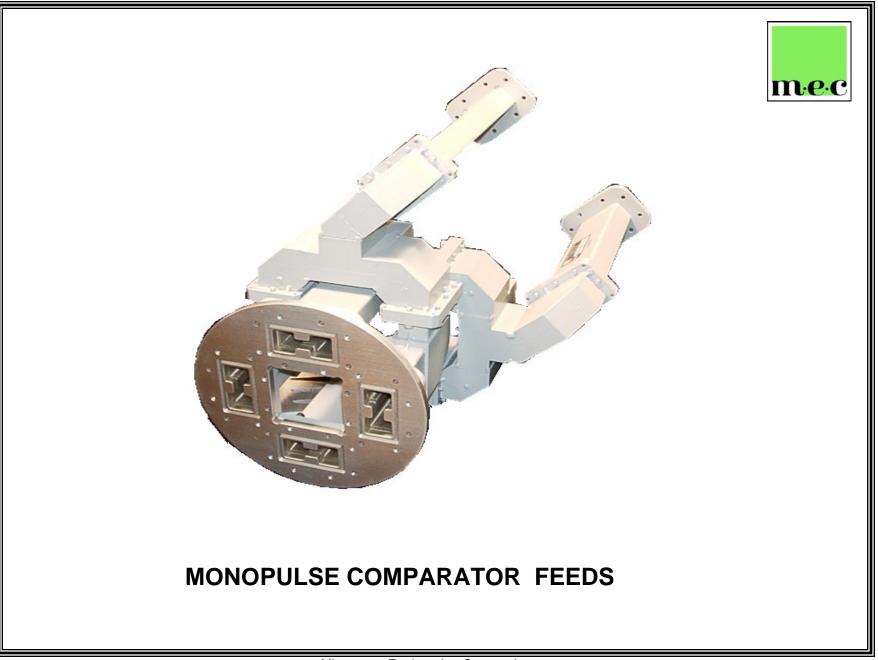
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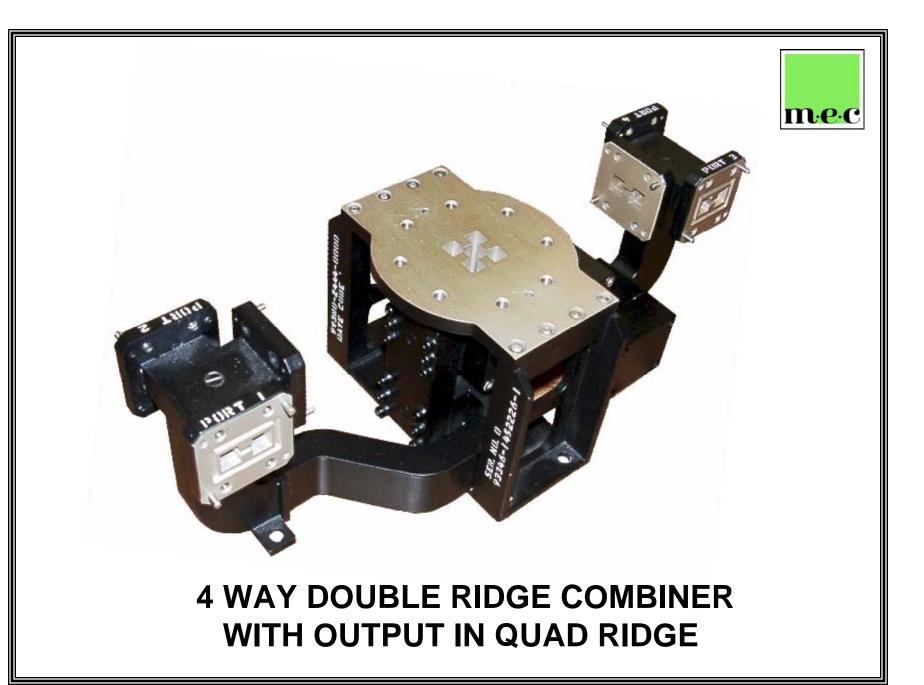
FERRITE CIRCULATORS FROM 1 – 50 Ghz



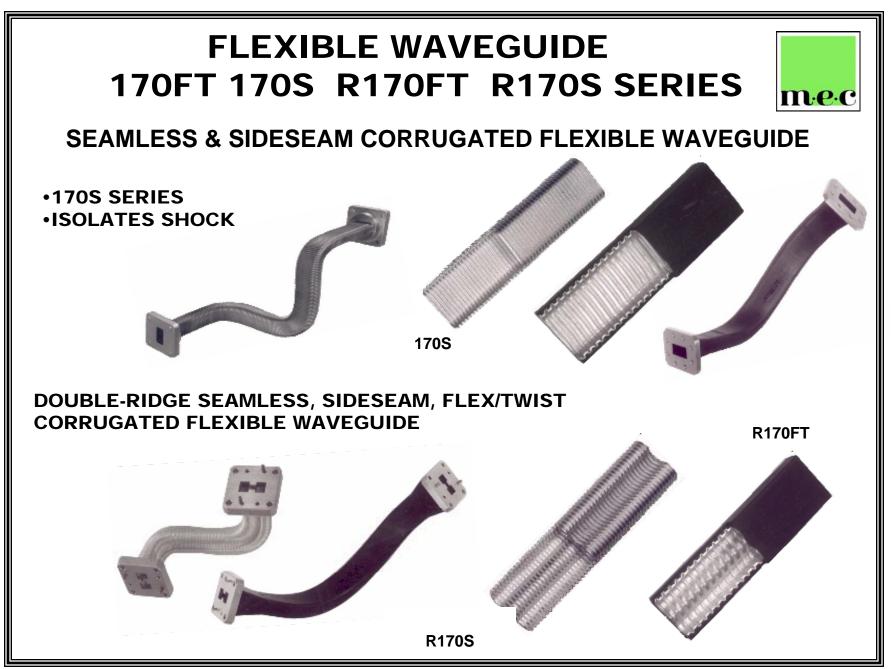




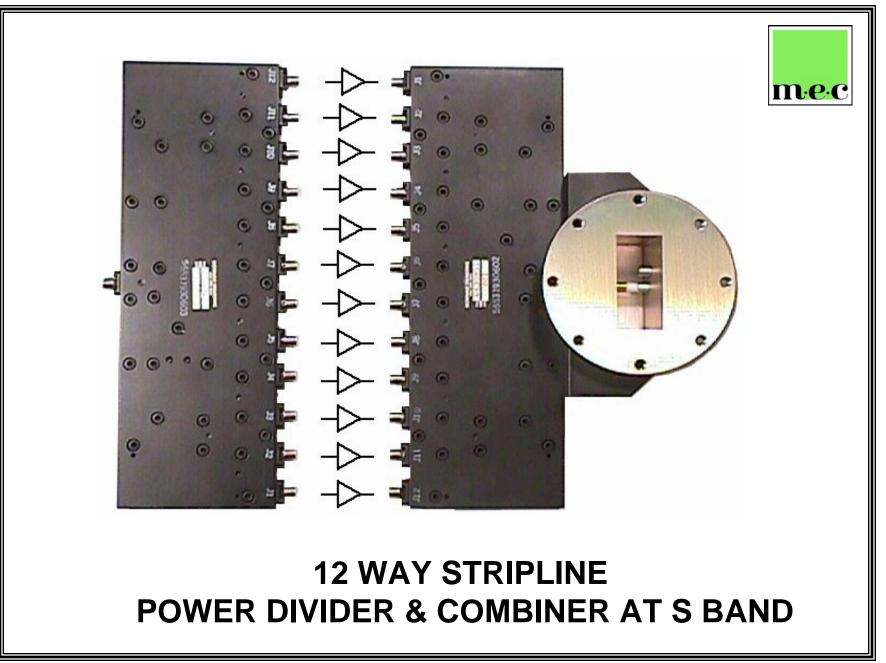




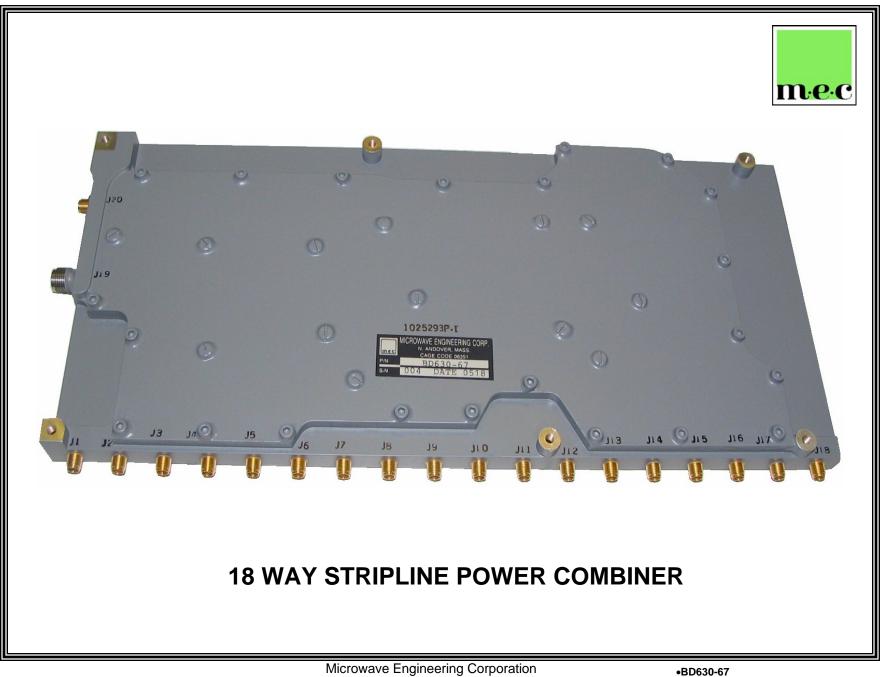




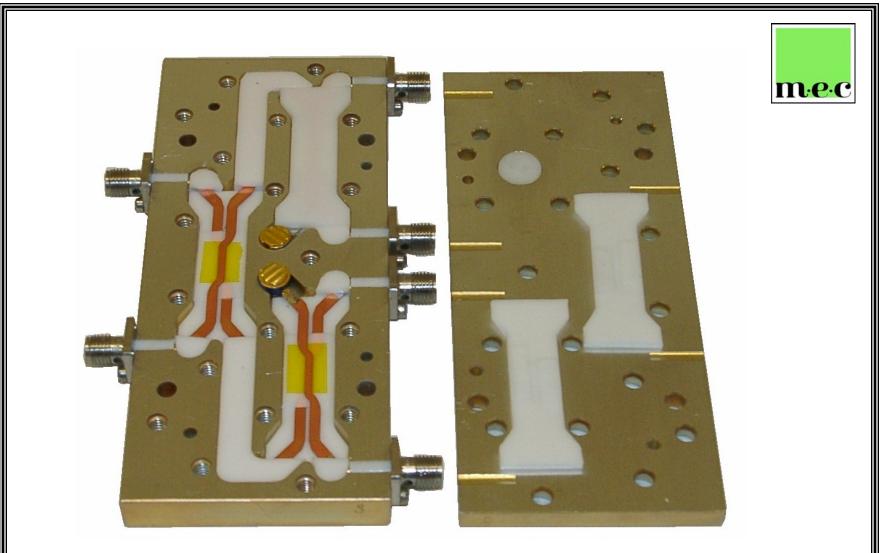




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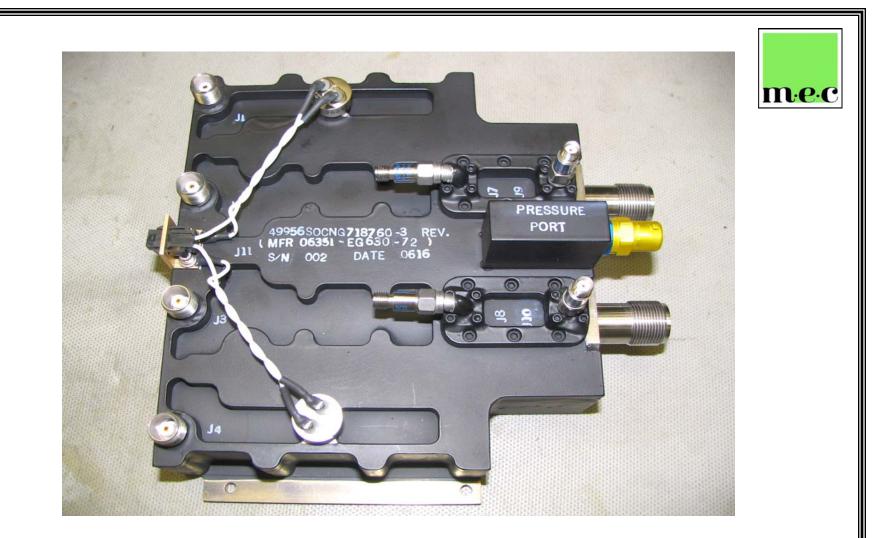


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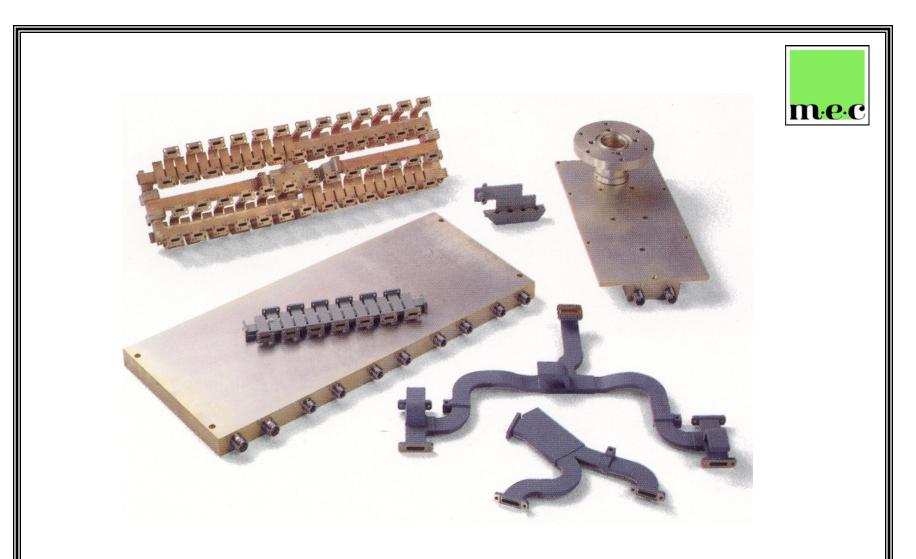


HIGH POWER STRIPLINE QUADRATURE HYBRID

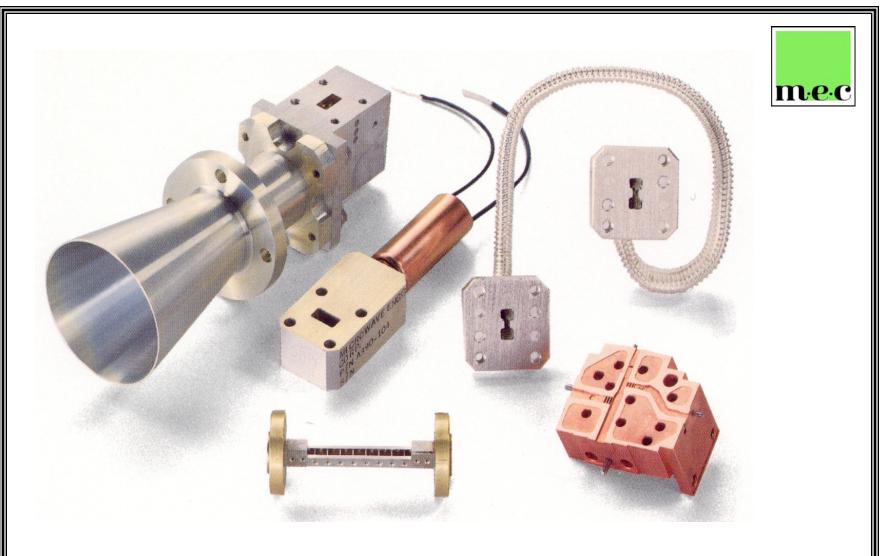
•EG630-58



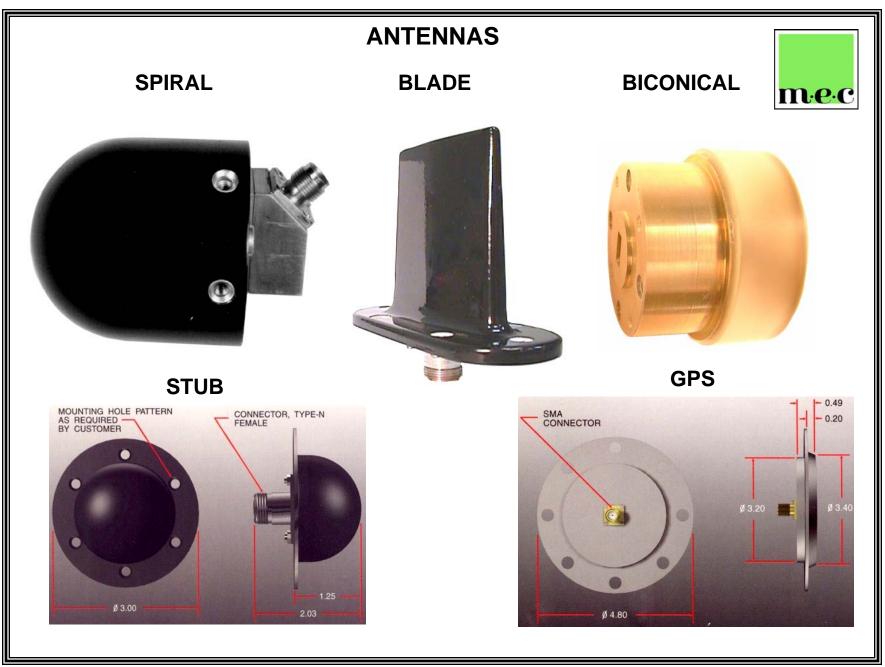
4:2 HIGH POWER COMBINER W/ DUAL LPF & BIT COUPLERS



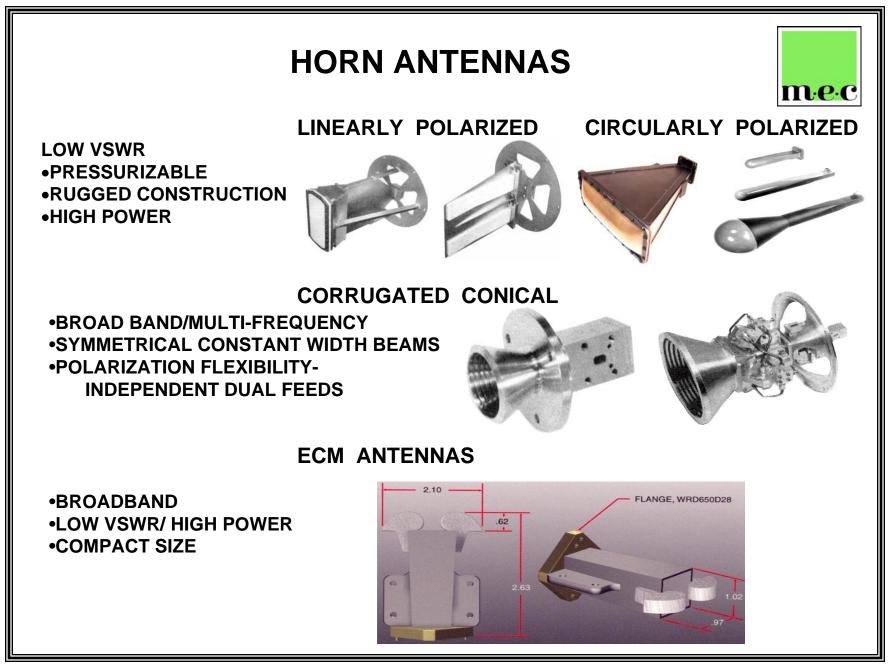
VARIOUS WAVEGUIDE, COAXIAL, & STRIPLINE ARRAY FEED NETWORKS



MILLIMETER WAVE COMPONENTS 30 Ghz THRU 110 Ghz



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MULTI-OCTAVE QUAD RIDGE ANTENNA SINGLE & DUAL FEED



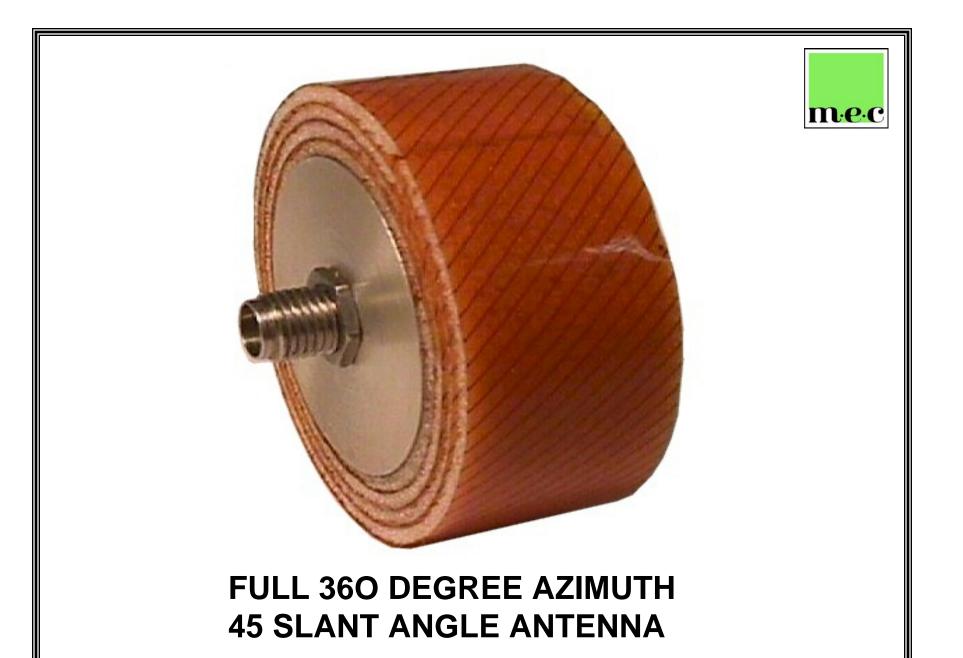
VHF TO X- BAND BROADBAND BLADES

•C390-190 & 6050

WIDE ANGLE BICONE ANTENNA SLANT 45 DEGREES

•IJ3BC-432

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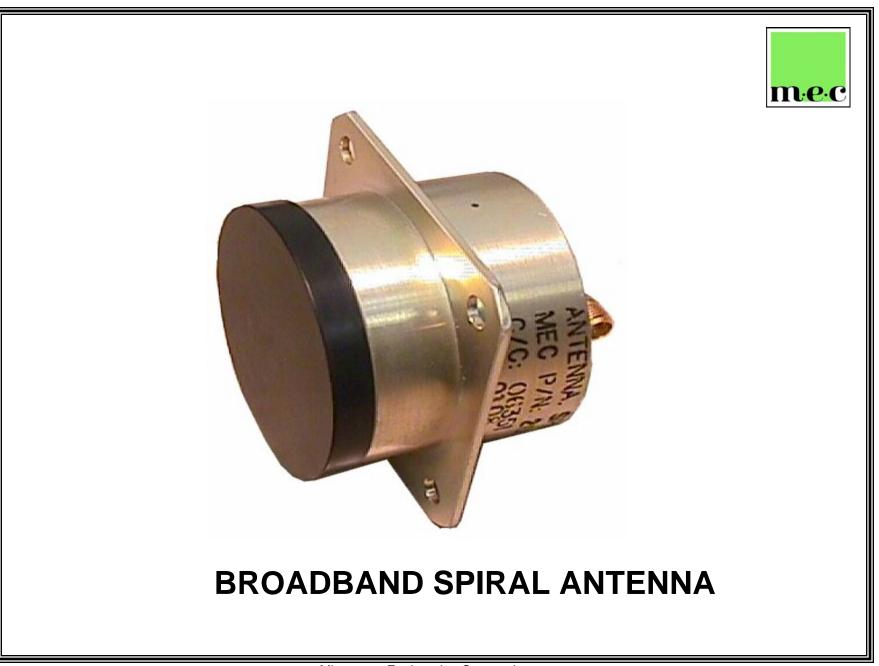


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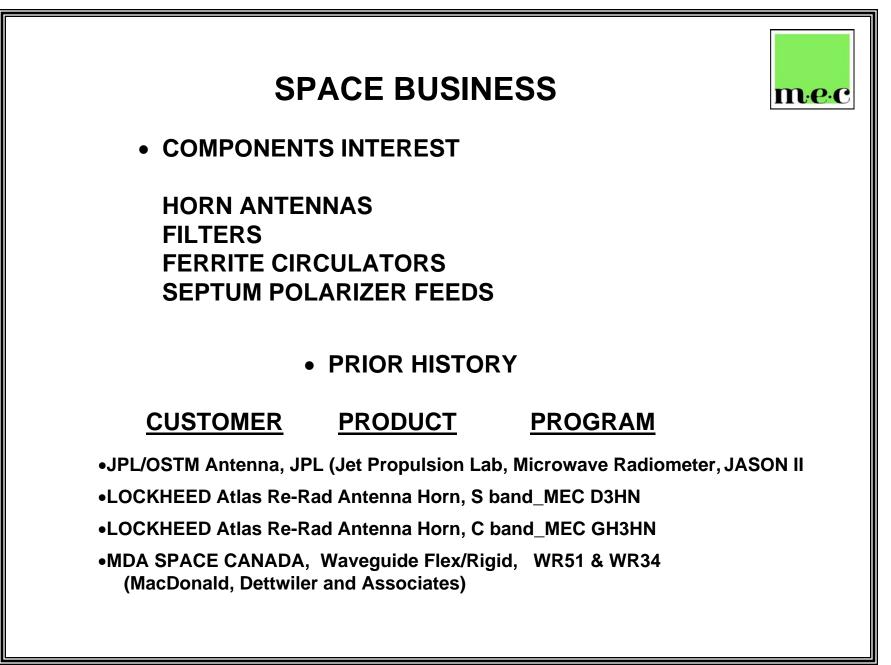


•C390-272

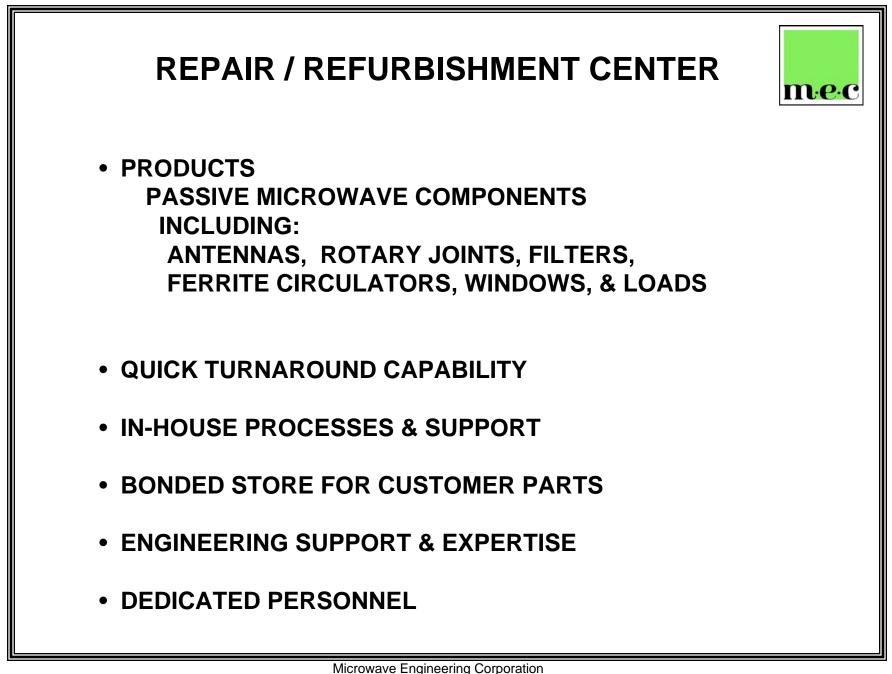


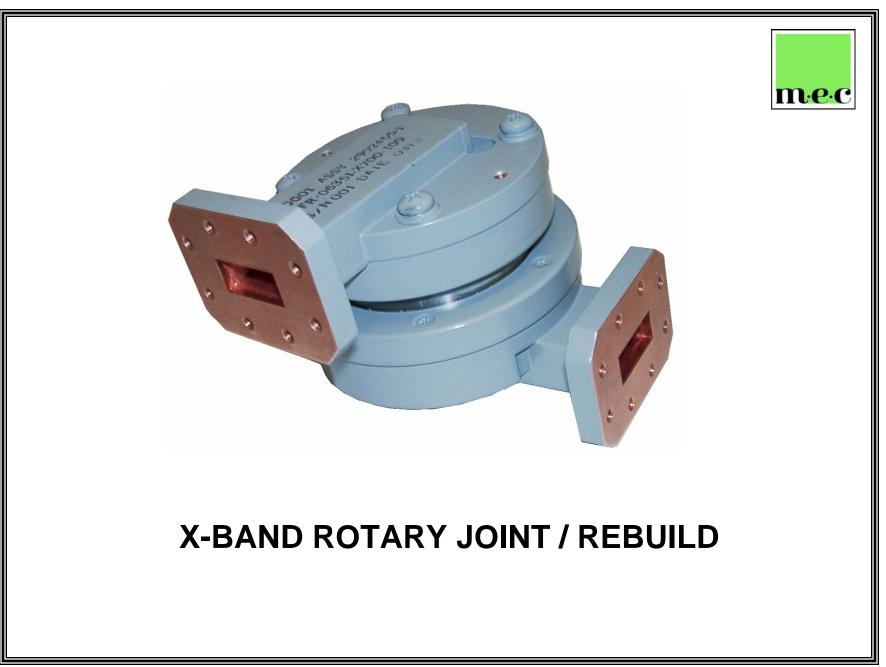


CALIBRATION KIT QUAD RIDGE









ANTENNA REPAIR



STRIPLINE REPAIR

ROTARY JOINT REPAIR



WAVEGUIDE REPAIR

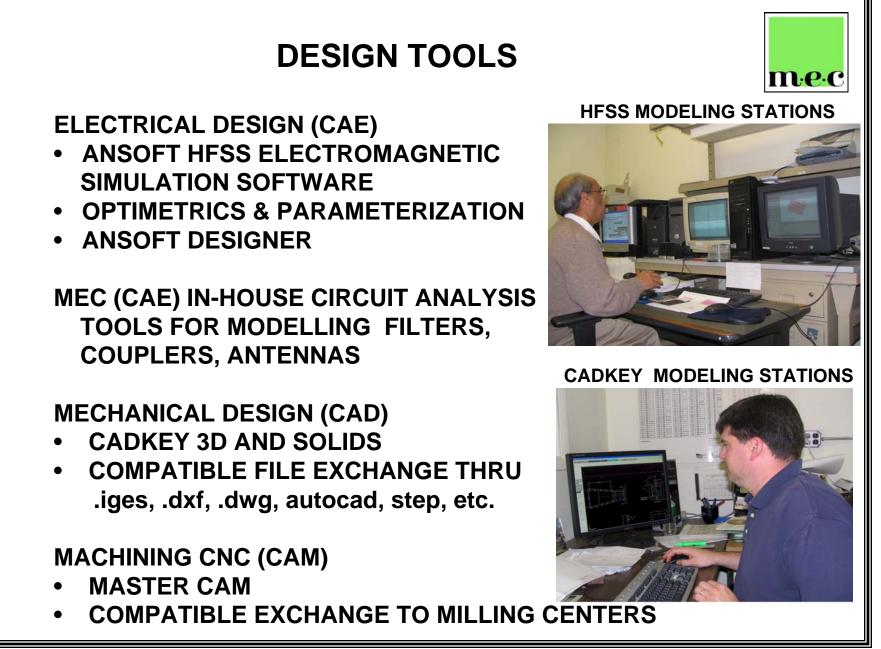






IN-HOUSE CAPABILITIES

MICROWAVE ENGINEERING



COMPLETE IN HOUSE CAPABILITIES

MACHINING

- CNC Machining
- Bridgeport Millers
- Lathes (Turning Centers)
- Tooling Center

BRAZING

- Brazing Aluminum Dip (30" X 30" X 28"):
- Induction & Torch Brazing

FINISHING

- Chemical Film (Mil-C-5541) Iridite
- Finishing Paint
- Diamond Wheel Grinding

ENVIRONMENTAL TESTING

- Environmental Temperature & Humidity
- High Power Testing

ELECTRICAL TESTING

- Complete Electrical Testing (DC-110 GHz)
- ANA (Automatic Network Analyzers 8510)
- Vector & Scalar Network Analyzers
- Antenna Ranges (Orbit/FR Spectrum 759) 400 MHZ – 60 GHz

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CNC MILLING CENTERS CNC LATHES / TURNING CENTERS



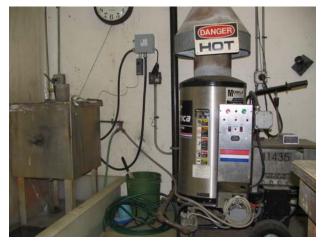
TWISTABLE FLEX WAVEGUIDE MACHINE



NEOPRENE JACKET PRESSES



CERROBEND EQUIPMENT



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INDUCTION BRAZING



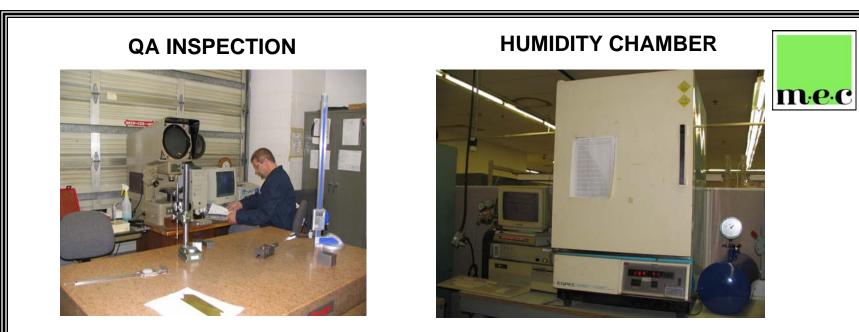




POST BRAZING CLEANING SALTS



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HELIUM LEAK DETECTOR



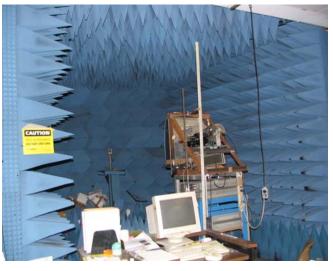
LARGE THERMAL CYCLE OVEN



8510 ANA AUTOMATED TESTING TO 50 Ghz



ANECHOIC CHAMBER RANGE TO 60 Ghz



HIGH POWER TEST EQUIPMENT



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