

Parker-Meggitt (Baltimore)

Capabilities Overview



MEGGITT

ENGINEERING YOUR SUCCESS.

Antennas & Radomes for Defense Applications

Site Focus

- Design – Development – Production – Testing of custom, broad-band, high-power antenna and radome solutions
- Parker Meggitt started in 1965 as Nurad designing high power quad ridged horn antennas with custom beam shaping lenses
- Over the years, our company name has changed due to various acquisitions, but our focus has remained the same
- We work closely with the customer to take a specification, or even just an idea, from concept through production
- We “own” the design of the antenna and/or radome from the specification through production and conduct all qualification and acceptance testing required to ensure the highest quality product is delivered

Antennas & Radomes for Defense Applications

Site Focus

- Design, production, test, and repairs
- ~75k Total Ft² manufacturing space

Primary Markets Supported

- Electronic Warfare (EW)
- Signals Intelligence (SIGINT)
- Satellite Communications (SATCOM)
- Search & Rescue (SAR)
- Communication, Navigation, and Identification (CNI)
- Air Surveillance and Defense Radar

Product Mix

- Antennas and Radomes
- Composite Structures
- Adapter Plates and mounting Brackets



Facility Capabilities

Engineering

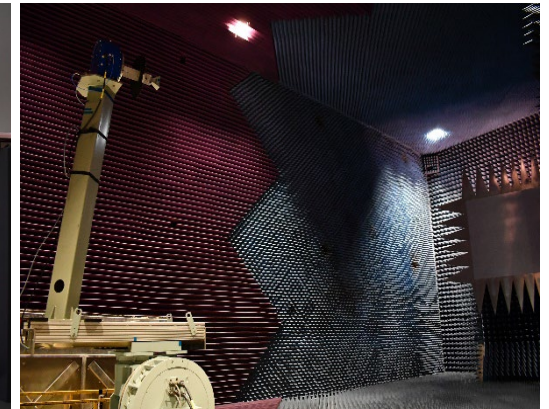
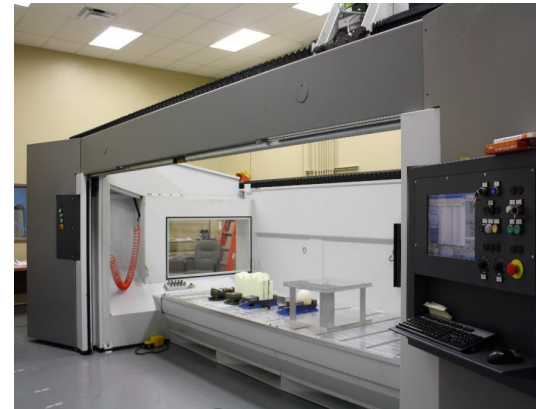
- Antenna and Radome Electrical and Mechanical Design
- Environmental Compliance
- RF Range Testing

Manufacturing

- CNC Machining
- Large Autoclaves
- High Performance Coatings and Paint
- RTM/VARTM
- Assembly & Bonding

Software:

- CAD/CAM, FEA, Catia V5, Solidworks, Ansys HFSS/SBR+, VBROP, Matlab, MATHCAD, PMM



Integrated Antenna and Radome Manufacturing



...supported by established heritage and a unique business profile



Established 1965
Radome and
Antenna Experts



FCL, ITAR,
AS9100 / ISO
9001 Compliant
Facility



Installed on 25+
Aircraft Platforms with
Significant Ground
and Maritime
Applications



Highly Technical
Engineering
Employee Base



73k sq. ft.
Facility with
Capacity to
Support Growth



State-of-the-Art
RF and
Electrical
Testing

Product Expertise and Examples

Our Baltimore facility is an OEM for numerous antenna product lines such as:

- Spiral Antennas
- Low Observable Antennas
- High Power Horn and Notch Apertures
- Conformal Data Link and SATCOM
- High Temperature Applications
- Blade Antennas
- Dipole and Monopole Antennas

These products can be found on ground, surface, and airborne based platforms built by our customers.



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Product Expertise and Examples

Our Baltimore facility is an OEM for numerous radome products on platforms such as:

- Fixed Wing Fighters and Adversary Aircraft
- Transport, Special Mission, and Strike Aircraft
- Rotary Aircraft
- Configurable Airborne Pods
- UAVs and UUVs
- Surface Ships and Submarines
- Ground Vehicles and Radar
- Various Munitions and High Temp Applications

These products assist our customers performing missions related to EW, SIGINT, CNI, SAR, SATCOM, and Radar

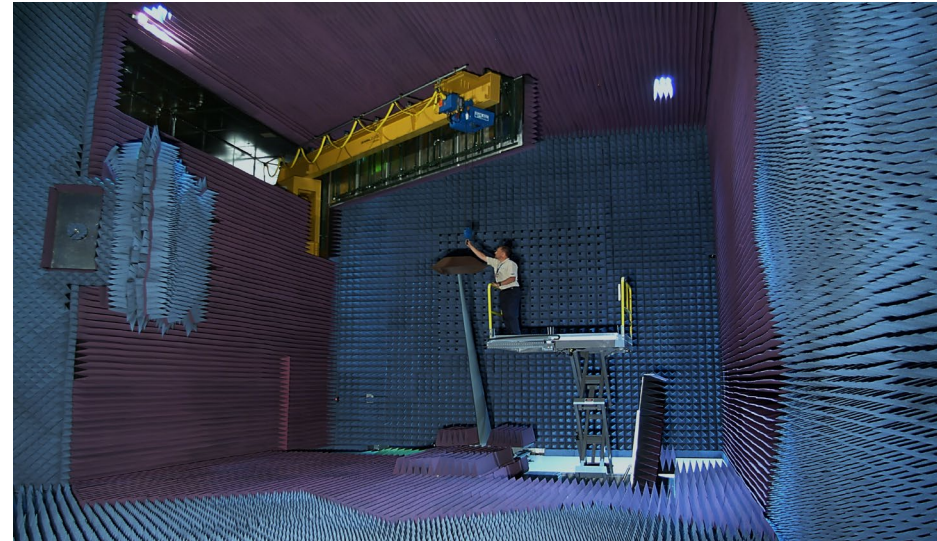
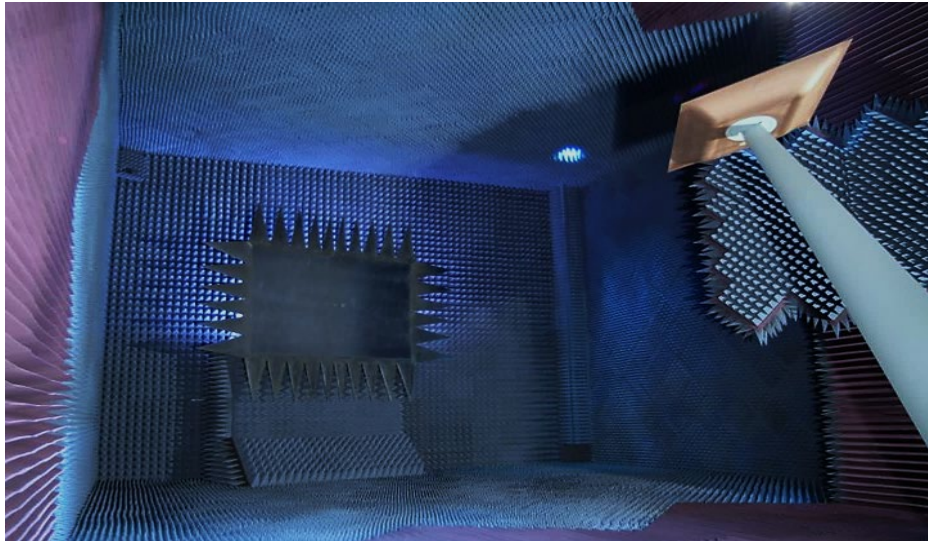


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RF Testing Capabilities

Test Ranges

- 4 Direct illumination anechoic chambers (14' x 14' x 20')
- One compact range (61' x 37' x 26') with a quiet zone of 8' x 8' x 5.3 (Background levels of approximately -55 dBsm)
- One outdoor range for low frequency testing
- All equipment is based on Keysight PNA's with Orbit/FR positioning equipment
- Range rentals available upon request



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