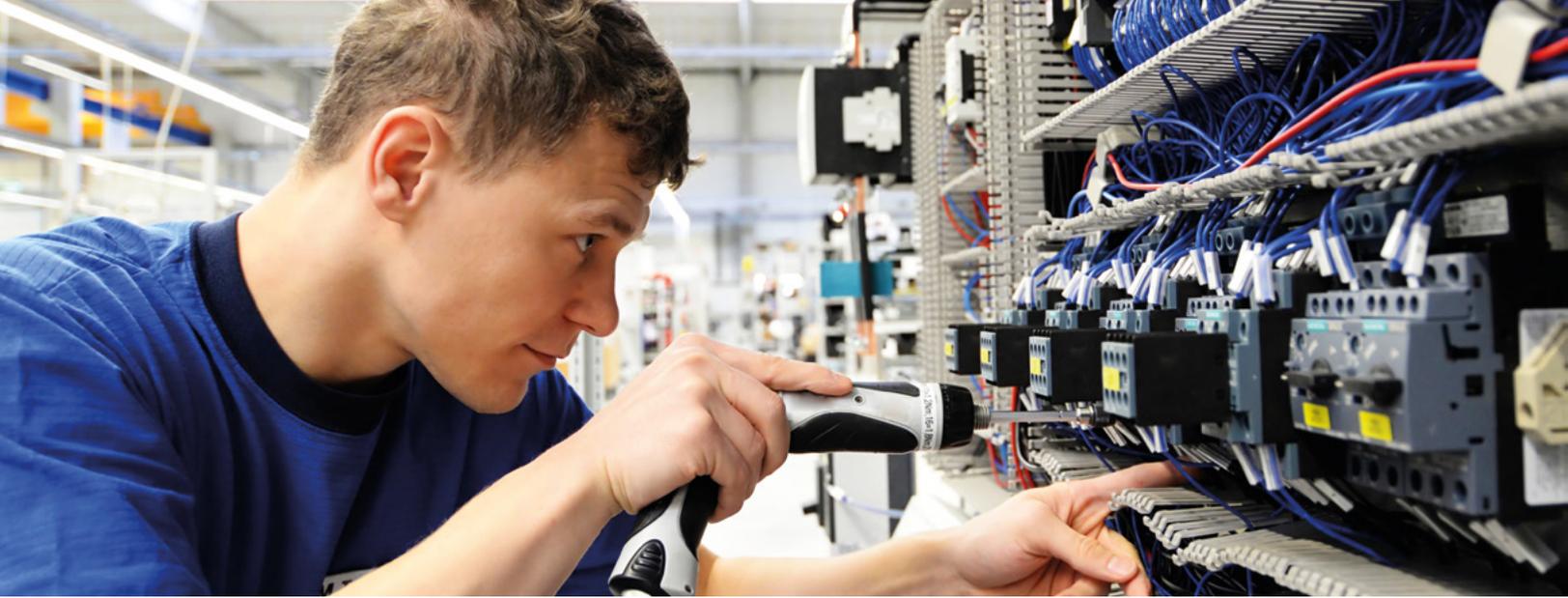




Electromechanical Manufacturing Solutions

RF experts with a track record of delivery.





EMS capabilities, RF expertise and supply chain management

Filtronic are an industry-leading team of experts, who provide customized manufacturing solutions for high tech industries including Space, Defense, Telecommunications and First responder networks.

Our team have on average 20 years of experience at our Salisbury, Maryland facility, so able to service complex sub-assemblies and offer a wide range of end-to-end manufacturing services to Original Equipment Manufacturers. Filtronic are the ideal partner for customized contract assembly services.

Filtronic are a multi-disciplinary team, who can also design, manufacture and test products that transmit, receive and condition radio waves, particularly at microwave and mmWave frequencies. Mission-critical communication networks globally depend on our systems and components.

Filtronic can help with a range of issues including:

- Procurement
- Electro-mechanical assembly
- Manufacturing engineering
- Prototype/NPI
- Supply chain control

Contract assembly & test services

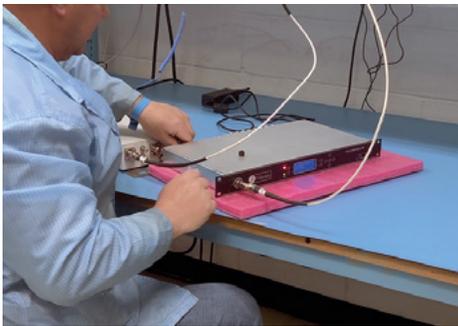
Filtronic offer competitive contract assembly and test services for the following sectors:

- Critical communications (P25 networks)
- Telecommunications infrastructure
- Aerospace & defense
- Space

Our electromechanical manufacturing services enable customers to take advantage of our agile culture and industry-leading manufacturing processes and test facilities. We work collaboratively to remove cost from their operations, we also reduce time to market and improve quality all without any additional overheads or purchasing capital equipment.



For over 30 years Filtronic have been specializing in assembling complex electro-mechanical components, sub-assemblies and box builds. We build long-lasting relationships, built on quality, flexibility, process control and customer satisfaction.



Overview of services

- Quick turn filter, combiner and electronics assembly
- Electro mechanical assembly
- Equipment build-up (including rack, stack and commissioning)
- Box build assembly
- Repair depot with embedded process audit
- Testing
- Cable assemblies
- Harness assemblies
- NPI/prototype development
- Environmental testing
- Order fulfilment, including inventory hubbing and side kitting
- Reshoring of processes
- Warehousing
- Equipment staging, including build up, wiring, test, shrink wrap and skidding

Salisbury, Maryland – An overview

- 16,000 ft² Total size
- Warehousing and storage for finished goods
 - 5,000 ft² under temperature control
 - 3,000 ft² of ESD safe work area for sensitive designs.
- Environmental stress testing with the latest temperature and humidity chambers
- RF analysis test equipment coupled with automated test software
- Network Analysis
- Discrete Signal Analysis (Sig Gens, Spectrum Analyzers, Power meter)
- Noise Figure Analysis

What makes Filtronic different?

We add value through our expertise and experience in RF design and manufacturing. We use our manufacturing capability to accelerate our customers' time to market, reduce costs and improve processes without adding overheads or capital equipment. This combined with access to leading supply chains gives us a unique position within the industry. Our business model is based on lean manufacturing principles, allowing us to rapidly ramp up or down in response to demand. We work closely with our customers to understand their challenges and then find the best solutions for them.

World leading process control for full traceability

Our robust web-based manufacturing and process control system ensures real-time organisation wide access to material traceability, inventory management, WIP tracking, SPC, yield reporting and on time delivery.

All components are tracked via a unique serial number ID providing full end-to-end process control. Each operator is uniquely identified, ensuring complete user monitoring and enabling role-based authorisation to allow only trained operators to run specific workflow sequences.

Supply chain resilience

Filtronic has a well-established global supply chain with strong supplier partnerships, and our buying power is increased by leveraging demand from multiple clients, which can result in significant BoM cost reduction. Our supplier partnerships include MMIC foundry and semiconductor vendors.

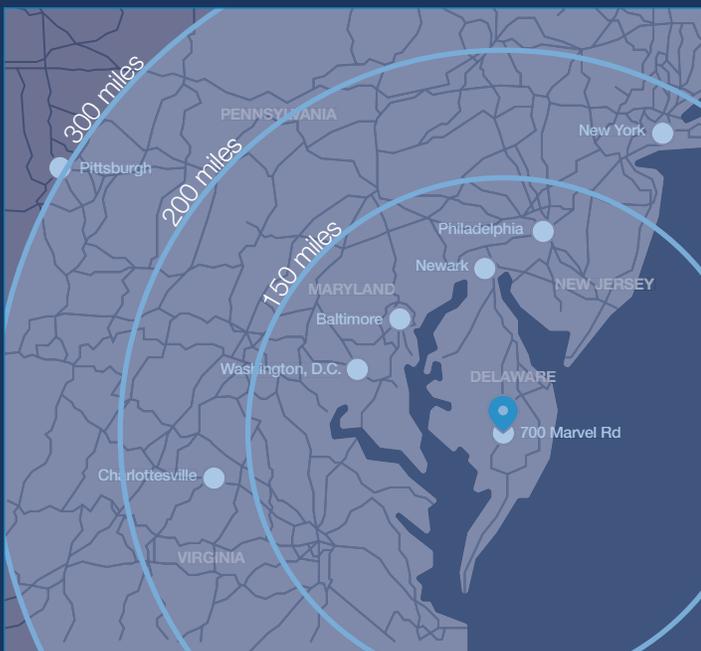
Dual sourcing

Clients around the world trust Filtronic with the prototyping and manufacture of their own product designs, due to its first-class reputation for product quality and reliability. We are equally comfortable manufacturing to a customer's design, as we are designing and manufacturing our own high-performance products. Alternatively, we work with our clients, fusing their core competencies with ours to optimize their original design.



A snapshot of our service offering:

Service Offering	UK	USA
Design	●	●
Assembly and test capability		
< 6 GHz	●	●
6 GHz ~ 30 GHz	●	●
30 GHz ~ 100 GHz	●	
Application testing		
PIM	●	●
Environmental	●	●
Physical	●	●
Electrical	●	●
QC / MRP Platform	●	●
Integrated telecom system build-up (Rack/stack)		●
ISO 9000 (2015)	●	●
Repair Services		
< 6 GHz	●	●
6 GHz ~ 30 GHz	●	●
30 GHz ~ 100 GHz	●	



Contact Filtronic if you want to:

- Drive out costs from your manufacturing
- Supplement internal capacity
- Have a quick turnaround
- Reshore or near shore

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