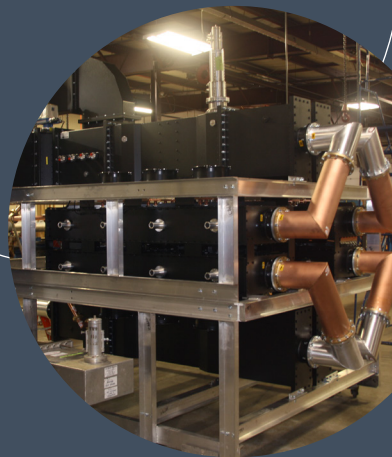
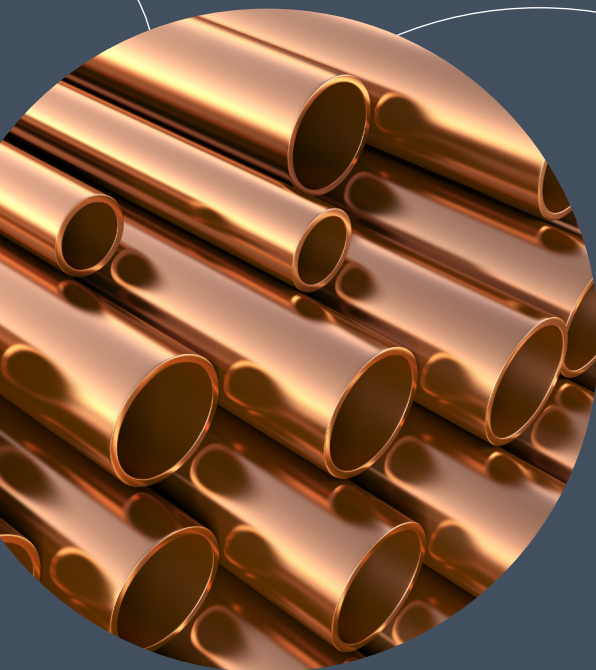
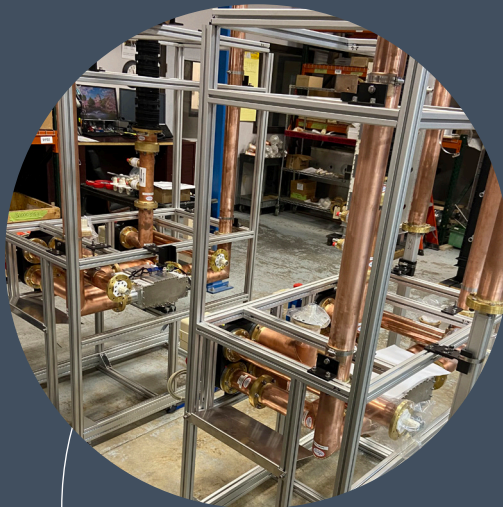
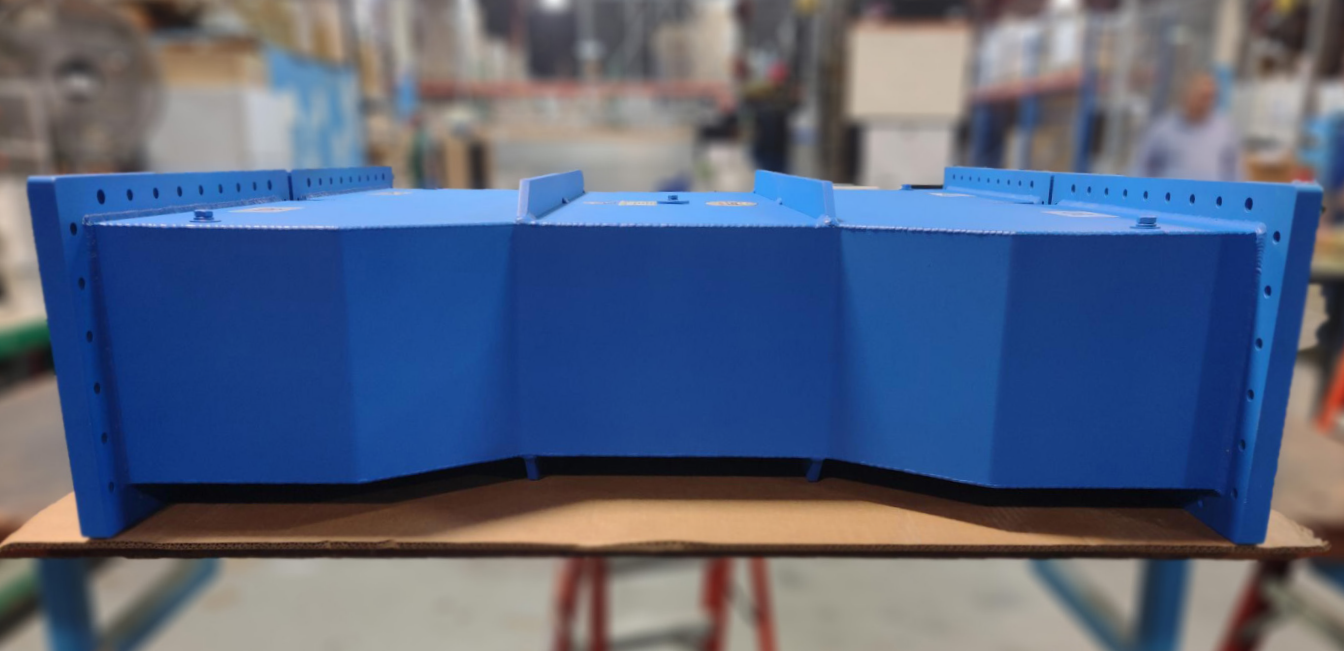


Dielectric[®]

PRECISION MANUFACTURING
FOR THE SCIENTIFIC
COMMUNITY



Dielectric.com



TRUSTED FOR DECADES.

Dr. Charles "Doc" Brown's Dielectric Products Corporation started developing transmission lines for early wartime radar systems in 1942.

After the war, Doc Brown's team applied their innovative technology to inventions for the emerging field of television broadcasting, and Dielectric was soon supplying equipment for all three major television networks.

In 1954 Doc Brown moved the company to his hometown in Raymond, Maine, where it has been headquartered ever since.

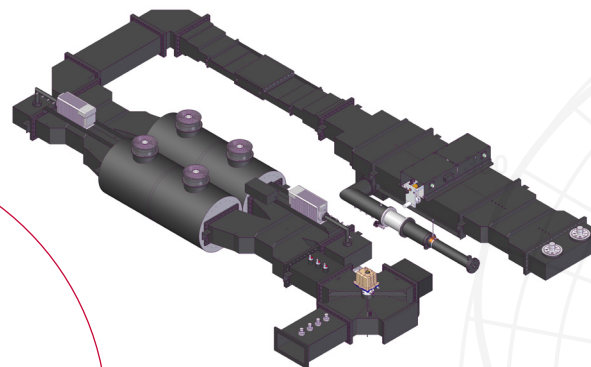


Dielectric has received two Emmy awards for technical innovation.

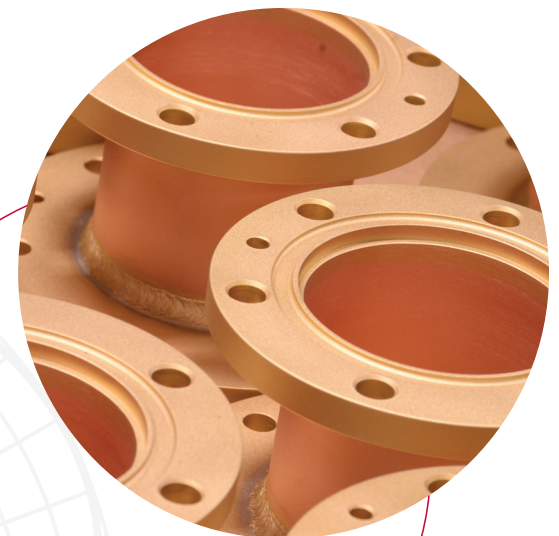
READY FOR TOMORROW.

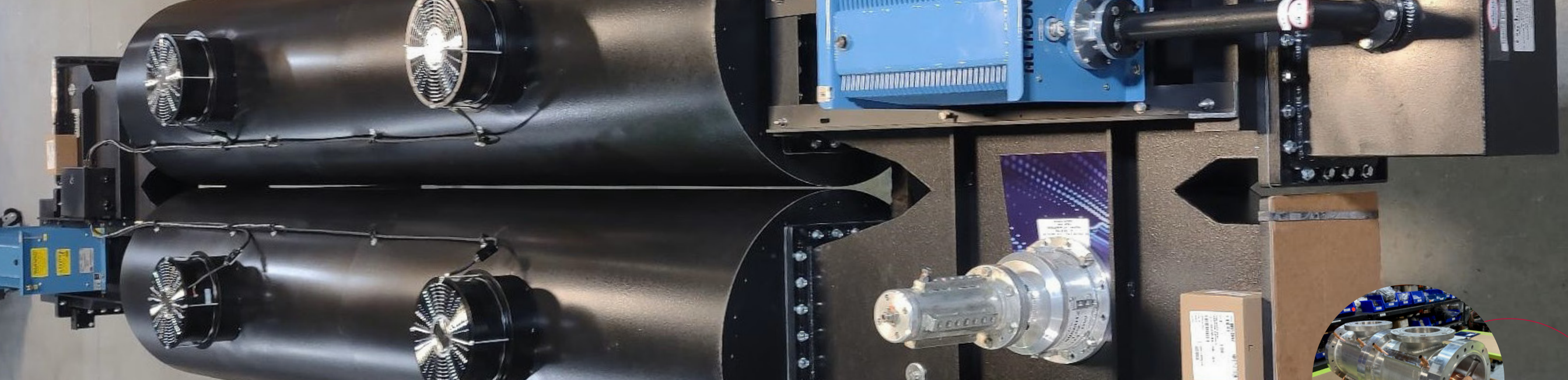
Our portfolio consists of virtually all the passive RF devices from the output of the amplifier through the antenna.

- Coaxial Transmission lines from $\frac{7}{8}$ " to 12"
- Waveguide sizes from WR975 to WR2300
- Waveguide Switches (E and H plane)
- Coaxial Switches from $\frac{7}{8}$ " to 6"



← WR 1500 2 Tube DTV RF System





MASTERS OF SCIENTIFIC CRAFTSMANSHIP.

Dielectric brings master craftsmanship and cutting-edge innovation to some of the world's most ambitious scientific endeavors. Our specialized manufacturing capabilities support critical components for fusion energy research.

Dielectric's certified welders, each with decades of hands-on experience, have perfected techniques for the most demanding materials and specifications. Our expertise in specialized welding for aluminum, stainless steel, brass, and copper makes us a trusted partner across multiple scientific disciplines.

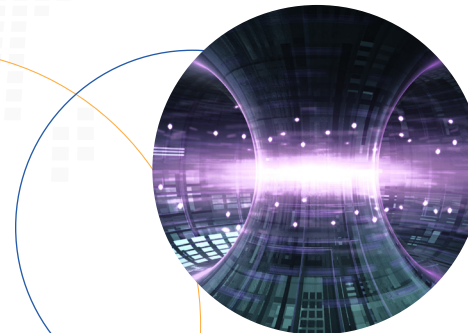
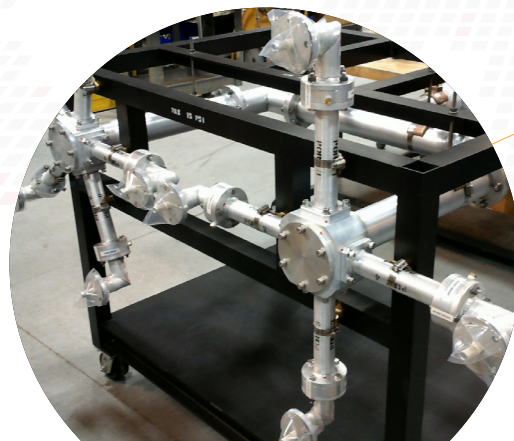
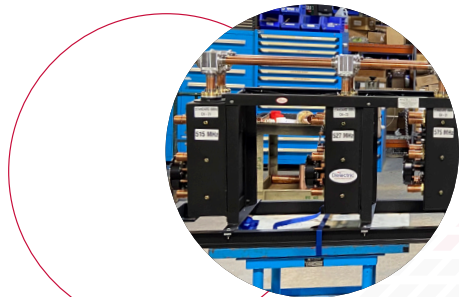
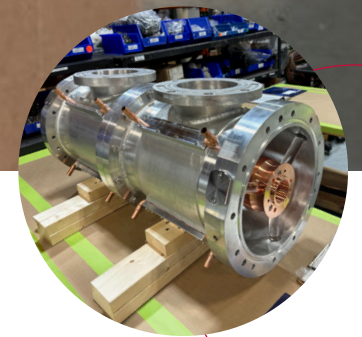
Master precision: Our welders are so skilled at creating joints that withstand extreme pressure, we've been contracted to manufacture components for the ITER nuclear fusion reactor project.

MASTERS OF FUSION ENGINEERING.

While our craftsmanship extends to many scientific fields, fusion energy represents one of our most exciting frontiers. Ambitious fusion timelines require ambitious resources, and our team delivers components that meet the extraordinary demands of this emerging technology.

From precision-welded assemblies for plasma containment to specialized high-pressure systems, our contributions help advance the global effort toward clean fusion power. Our work with the Department of Energy and international research organizations has positioned us within the vibrant scientific community.

Scientific partnerships: Recent affiliations include Lockheed Martin, Oak Ridge National Laboratory, and university-affiliated laboratories across the world working to make fusion energy a commercial reality.





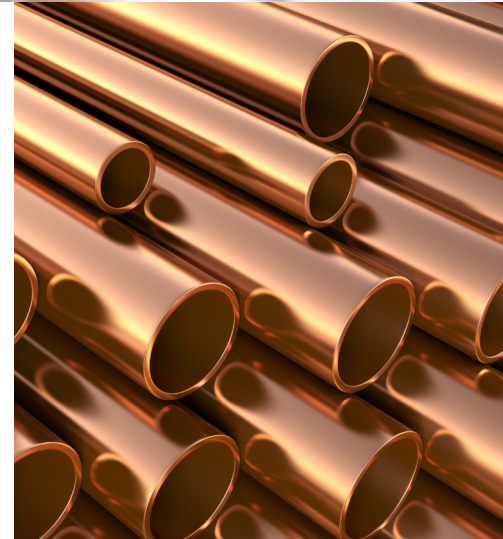
INNOVATIVE ENGINEERING.

Dielectric holds more patents than any other antenna manufacturer in the world—some from as far back as 1942; others so new, they're still in our "active" file.



FANATICAL PRECISION.

Our certified welders are so good at creating joints that withstand the highest pressure, we've been contracted to manufacture components for the ITER nuclear fusion reactor project in France.



QUALITY + RELIABILITY.

Because your system is only as reliable as the weakest component, we strive to design for the highest performance with the fewest parts. The end result is lower maintenance costs and the clearest signal possible.



AI-DRIVEN

Make the move from physical modeling to a more efficient, economical and accurate simulated modeling process.

A GLOBAL PRESENCE THAT CONTINUES TO GROW.

Dielectric has been designing and manufacturing high-quality solutions for every RF needs, since 1942. Headquartered in Raymond, Maine,

Dielectric is a wholly owned subsidiary of Sinclair Broadcast Group, Inc., which shares a long history of engineering excellence.



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