

Superior Contract Manufacturing And Brazing Services For The Defense Industry



Altair Technologies's highly skilled engineering team has extensive experience with tube engineering and brazed and welded TWT assembly design. This hands-on knowledge is invaluable to our defense customers. Our manufacturing staff is well trained and adept at handling components and subassemblies used in high-voltage and high vacuum products.

The three TWT product lines we primarily support include:

- Coupled Cavity TWT's
- Helix TWT's & Mini's
- Klystrons



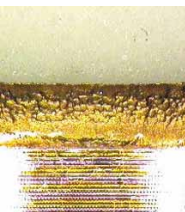
We're an ISO 9000 certified contract-manufacturing operation with years of experience building Electron Guns, RF Windows, Collectors, Beam Shavers, Couplers, Input & Output Sections, Pinch-off Tubulations and Ion Pumps.



Many of our own products are used on TWT's including mini and 2-Liter Ion Pumps. We specialize in build-to-print for the defense market and often build our customers' specific Ion Pump design and/or configuration. We also refurbish pumps that can be shipped under "vacuum".



As a small business, Altair Technologies can assist you with your prototype, SBIR & STTR projects. Our extensive machine shop gives us quick turn capability to meet your engineering project deadlines.



We frequently build metal-to-ceramic assemblies using MoMn metalizing, but also employ active metal brazing. This technique offers major time savings when compared to metalizing.

Many of our defense customers often have in-house brazing capability and refer to our Blog for solutions to their brazing and welding problems.



GOOD WETTING



GREAT WETTING
(blush danger)



POOR WETTING

To learn more, visit:
www.AltairUSA.com/Blog



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