



About Us

TennMax is a leader in EMI shielding and Thermal Management. Our primary focus is to provide a complete solution utilizing our advanced knowledge in conductive silicones, gasketing, plastic metallization, heat pipes and sinks, and thermal interface materials.

TennMaxUSA.com

A composite background image for the Aerospace/Defense section. The top half shows a Typhoon fighter jet in flight against a blue sky. The bottom half shows a close-up of a complex metal aircraft structure with various bolts and joints.

AEROSPACE/ DEFENSE



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Form-in-Place (FIP)

A uniquely automated technology for the dispensing of FIP elastomer gaskets on metal or metalized plastic housings. This system applies a programmed gasket bead with exceptional accuracy in three full axes, compensating for uneven surfaces. Ideal for casted, machined and molded parts to provide a consistent reliable EMI shielding or environmental sealing.

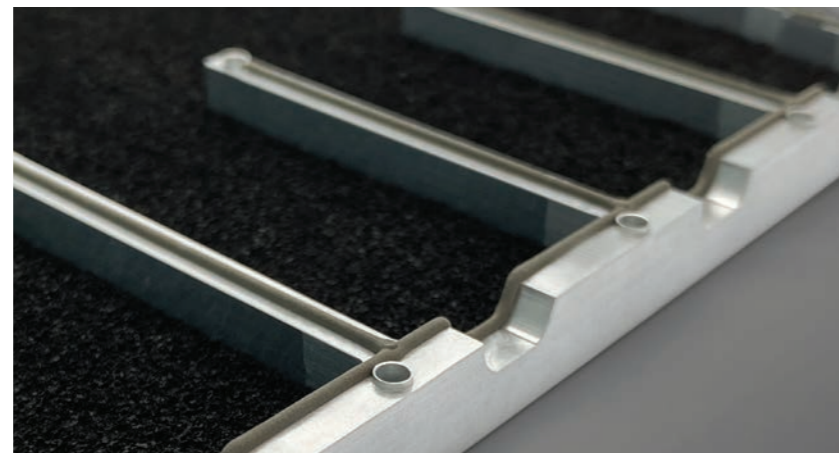
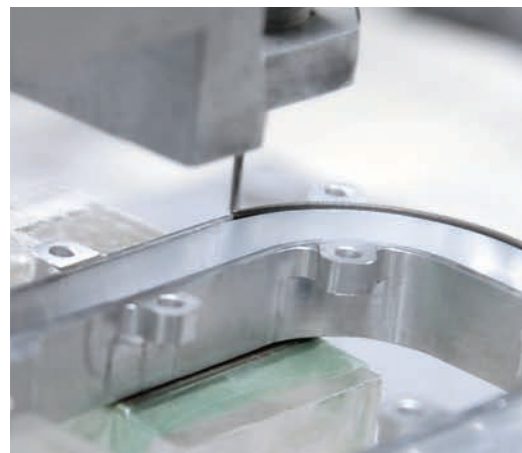
Silicone

- Gasket height profile size as low as .3 mm
- Minimizes screw locations/wall thickness requirements
- Best-in-class shielding
- Softer materials limit compression force requirements
- Both standard and specialty materials available
- Conductive and Non-Conductive options available

Fluorosilicone

A superior alternative with all of the benefits of silicone and designed for harsh corrosive environments, including exposure to:

- Salt fog
- Salt spray
- JP-10 jet fuel
- Polar solvent
- Resistance to fungus growth
- Meets NASA outgassing requirements



Turnkey

With our in-house metal shop, we can provide turnkey solutions including metal housings, form-in-place gaskets, RF absorbers, and thermal interface materials.

Our facility is ISO and AS9100 certified with the capabilities of providing a fully assembled module, including AS9102 documentation and quality control.

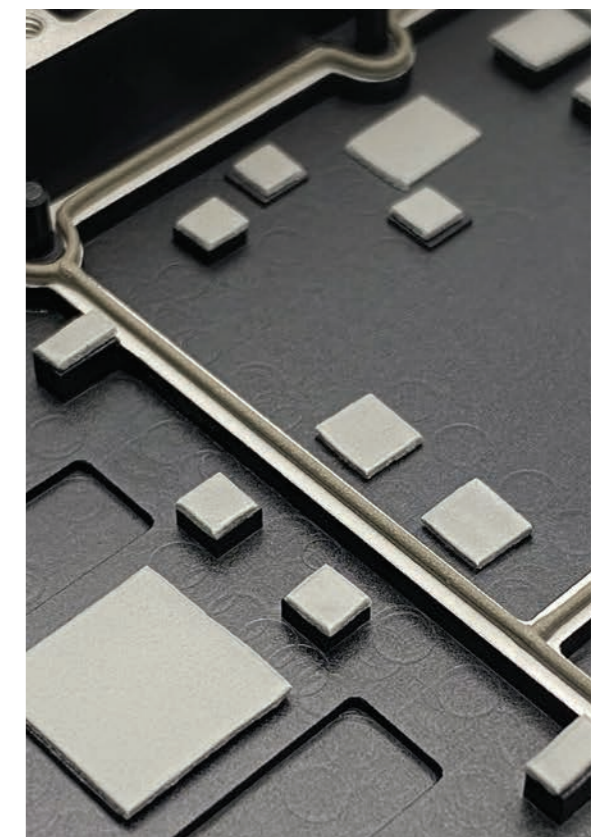
By controlling the complete manufacturing process, TennMax can provide shorter lead-times, lower prices, and complete quality assurance.

Capabilities

- Rapid prototyping
- RF Absorber application, including potting
- Custom finishing
- Thermal pad and jelly application
- Completed assemblies ready for final production



Haas high-performance Super-Speed CNC Machine



High Performance Thermal Interface Materials

- Thermally Conductive Pads
- Thermally and Electrically Conductive Pads
- Thermally Conductive Jellies
- High Voltage Insulation Pads
- Extremely soft to minimize compression force
- Both pad and jelly performance up to 11 W/mk



Microwave Absorber

A full range of high performance materials, including custom die cut and potted materials that reduce cavity resonance and lower the Q factor.

