

How-to

## Video: Titan on Machining the Composite G10

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Titan Gilroy machines the G10 composite that is primarily used in aerospace.

### Video Highlights

- G10 is a composite material also known as FR4 Flame Resistant is used by many aerospace companies because it is a strong material that is not metal but also water, flame, and corrosion resistant.
- G10 is similar to fiberglass on a surf board, but they are layered with resin holding it together. The glass layers make it extremely difficult to machine and keep tight tolerances.
- Diamond tools are needed to cut the material because it is so strong.