

The logo for Sonnet Suites, featuring the text "Sonnet Suites™" in white on a dark blue background. The background of the entire top section is a 3D rendering of a circuit board with various components like vias, microstrips, and coplanar waveguides in yellow, green, and blue.

Sonnet Suites™

## 3D Planar High-Frequency Electromagnetic Software

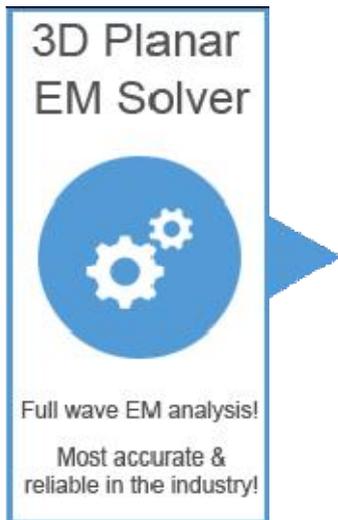
Sonnet's suites of high-frequency electromagnetic (EM) Software are aimed at today's demanding design challenges involving predominantly planar (3D planar) circuits and antennas. Predominantly planar circuits include microstrip, stripline, coplanar waveguide, PCB (single and multiple layers) and combinations with vias, vertical metal sheets (z-directed strips), and any number of layers of metal traces embedded in stratified dielectric material.

Layout & Materials

A blue circular icon containing a white document with a pencil and a circular arrow, representing a design flow or editor interface.

Integrates with your existing design flow!  
Or draw in our editor.

[Learn more about interfaces](#)



[Learn more about  
how \*em\*® works](#)



[Learn more about  
post-processing](#)

The Sonnet® Suites™ develop precise RF models (S-, Y-, Z-parameters or extracted SPICE model) for planar circuits and antennas. The software requires a physical description of your circuit (arbitrary layout and material properties for metal and dielectrics), and employs a rigorous Method-of-Moments EM analysis based on Maxwell's equations that includes all parasitic, cross-coupling, enclosure and package resonance effects.

Sonnet maintains a single, dedicated focus on providing the industry's most accurate and reliable high frequency planar EM software. Our aim is to make it easy for our customers to either develop and analyze designs within our software, or to incorporate our tools into their existing

design processes and frameworks. Customers need never commit to a proprietary framework in order to get the best in planar EM analysis.

Learn more about [Sonnet's Latest Version](#).

 [View the Discover Sonnet Brochure](#)

## Sonnet® Suites™ Key Benefits

- Industry's #1 High-Frequency Planar EM Solver (based on references in [published papers](#))
- Most [accurate](#), reliable planar EM software in the world
- Easy to learn with clear [tutorials](#) and [online help](#)
- [Fast and efficient](#) for demanding applications
- [Interfaces](#) to your existing design flow
- [Free version](#) available for download
- [Education Partner Program](#)

## The Different Suite Options

Sonnet provides several different suites of tools to match your needs and budget.

[Compare the Suites or place an order](#).

## Learn More

- [Applications](#)
- [FAQ](#)
- [New Features](#)
- [Detailed Features](#)
- [Interfaces & Translators](#)
- [How EM Works](#)
- [Demo Videos](#)
- [Training Courses](#)
- [System Requirements](#)
- [Support](#)
- [Benchmarking](#)
- [Published References](#)
- [Suite Comparison Chart](#)
- [University Discounts](#)
- [30-Day Evaluation](#)
- [Request Information](#)

## [Products](#)

- [Sonnet Suites](#)
  - [Applications](#)
  - [FAQ](#)
  - [New Features](#)
  - [Detailed Features](#)
  - [Modelithics CLR Library](#)
  - [Interfaces & Translators](#)
  - [Suite Comparison Chart/Prices](#)
  - [Education Partner Program](#)
  - [30-Day Evaluation](#)
  - [Request Information](#)
- [Sonnet Lite](#)

## **Related Links**

- [How EM Works](#)
- [Demo Videos](#)
- [Training Courses](#)
- [System Requirements](#)
- [Support](#)
- [Benchmarking](#)
- [Published References](#)
- [Place an Order](#)