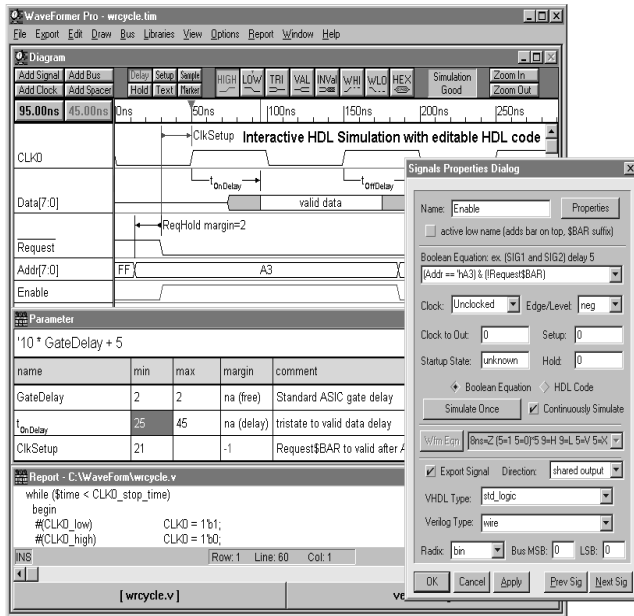


# WaveFormer Pro and OrCAD

SynaptiCAD's WaveFormer Pro is a graphical timing diagram editor with the ability to generate stimulus vectors for OrCADExpress VHDL and SPICE simulators. WaveFormer Pro lets you specify and analyze timing diagrams early in the design cycle, then take that same work and use it as stimulus for circuit simulation. With WaveFormer, users create timing diagrams by drawing signals, clocks, busses, and simulating Boolean and registered logic signals. Graphical timing parameters like delays, setups, and holds actively move and monitor signal transitions.

**Analyze Timing before creating a Schematic or HDL Model**  
**Generate Stimulus Vectors**  
**Annotate and Document Simulation Waveforms**

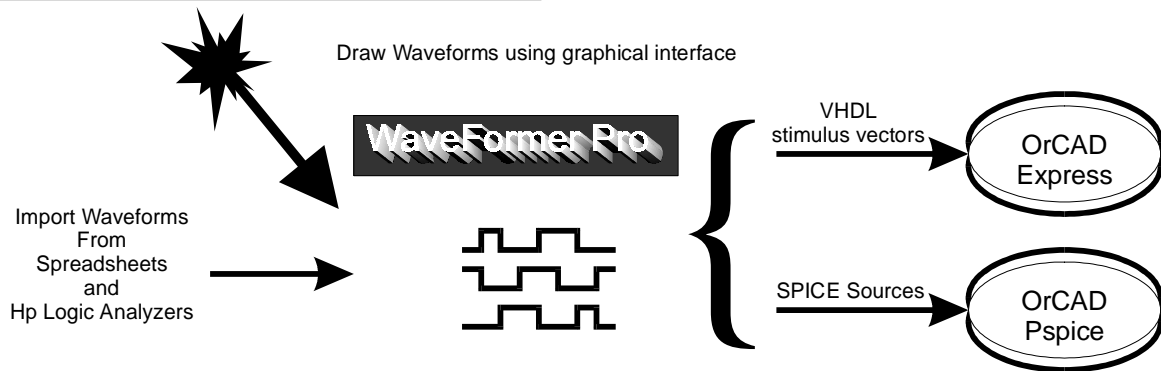


## Import & Export Waveforms

WaveFormer Pro supports waveform input from a variety of sources including: drawing waveforms graphically in the timing diagram editor, numerical input from a spreadsheet, and waveforms captured by HP's logic analyzers. All waveforms can be exported as stimulus vectors.

## Advanced VHDL Support

SynaptiCAD provides 2 levels of VHDL test bench generation. WaveFormer Pro produces single timing diagram stimulus generation, which is perfect for testing small designs and models. And WaveFormer's big brother, TestBencher Pro generates multi-diagram, self-testing, reactive test benches. TestBencher Pro is perfect for building bus-functional models of micro-processor and bus interfaces.



## The Big Advantage: No VHDL Experience Required

The combination of OrCAD Express and WaveFormer Pro provides the user with a complete model and test bench generation environment. With OrCAD Express users can generate VHDL models directly from schematics. Then with WaveFormer, users can draw the stimulus vectors needed to simulate the OrCAD models and automatically export them to VHDL. Together these products provide the full power of VHDL without any of the hassle.

For more information about WaveFormer Pro and TestBencher Pro contact SynaptiCAD at (800)804-7073, [www.syncad.com](http://www.syncad.com), or [sales@syncad.com](mailto:sales@syncad.com)