

MEMS Xplorer Configurations

Several configurations are available to make MEMS Xplorer a flexible and scalable design environment.

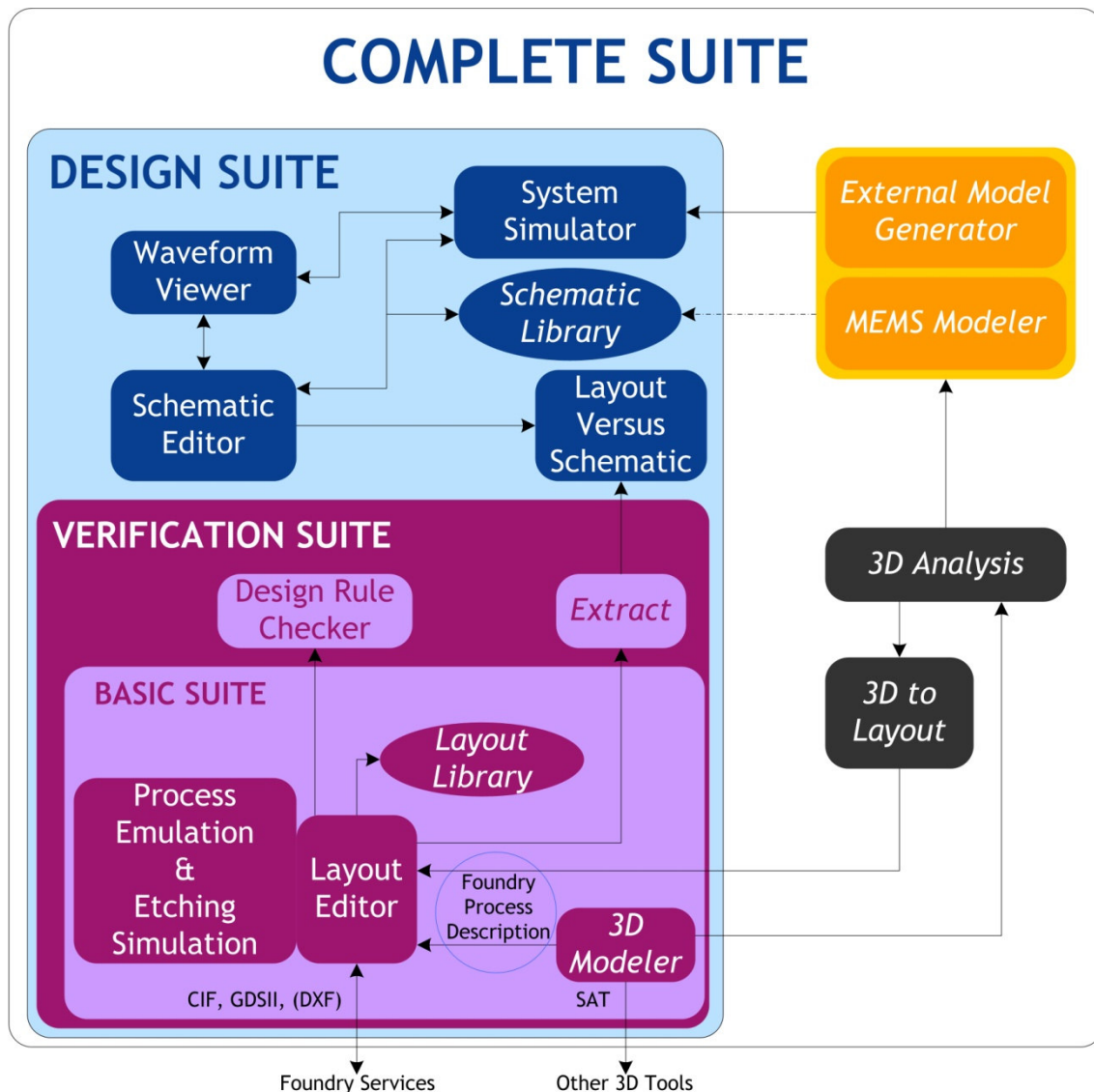
MEMS Xplorer BS (Basic Suite): Answers the needs for full custom layout mask design and 3D modeling from fabrication process descriptions. The link to FEM is ensured through SAT files or solver specific output.

MEMS Xplorer VS (Verification Suite): Answers the needs for full custom layout mask design, mask verification and 3D modeling.

MEMS Xplorer DS (Design Suite): Answers the needs for mixed domain MEMS and IC simulations, full custom layout mask design, mask verification, layout versus schematic coherency checking and 3D modeling.

MEMS Xplorer CS (Complete Suite): MEMS Xplorer CS closes all design flow loops for a fully integrated MEMS Design Environment. MEMS Xplorer CS adds to the DS configuration the Behavioral modeling tools and 3D to Layout modules.

NOTES: Upgrades from one configuration to another are available. Multiphysics 3D Analysis tools and Cadence must be purchased separately. Please ask us for details.



MEMS Xplorer: Side-by-Side Comparison of Suites

	BS	VS	DS	CS
Mask Editing				
EasyMEMS	X	X	X	X
MEMS Layout Libraries	X	X	X	X
Physical Design Verification				
MEMS Verification Modules		X	X	X
Mixed domain simulation				
MEMS Behavioral Model Library			X	X
Physical Modeling				
Material Database, Process Definition editor and Boundary Conditions editor	X	X	X	X
3D Geometric Modeler, Viewer, Cross-section (SAT, APDL output), Meshing. (IGES is an extra charge)	X	X	X	X
3D to Layout				X
Behavioral Modeling				
Model Generator (FEM to Analytical)				X
Model Generator (Equations to Analytical)				X