

# UNIVERSAL TOKENS

FOR ALL TCAD AND EDA TOOLS



**Universal Tokens** provide instant access to all Silvaco software tools without re-issuing licenses. Each tool draws a tool-specific number of tokens from a universal token pool residing on your license server. When done using a specific application, its allocated tokens are automatically returned to the pool and made available for immediate re-use by any other tool.

Tokens can be shared between all company locations worldwide. Tokens can be mixed with any other licensing options, including those purchased in the past, to provide an unprecedented return on investment. Tokens can be purchased for short term use in daily increments either online or through your nearest sales office. Discounted rates are available for longer periods from your nearest sales office.

**SILVACO**

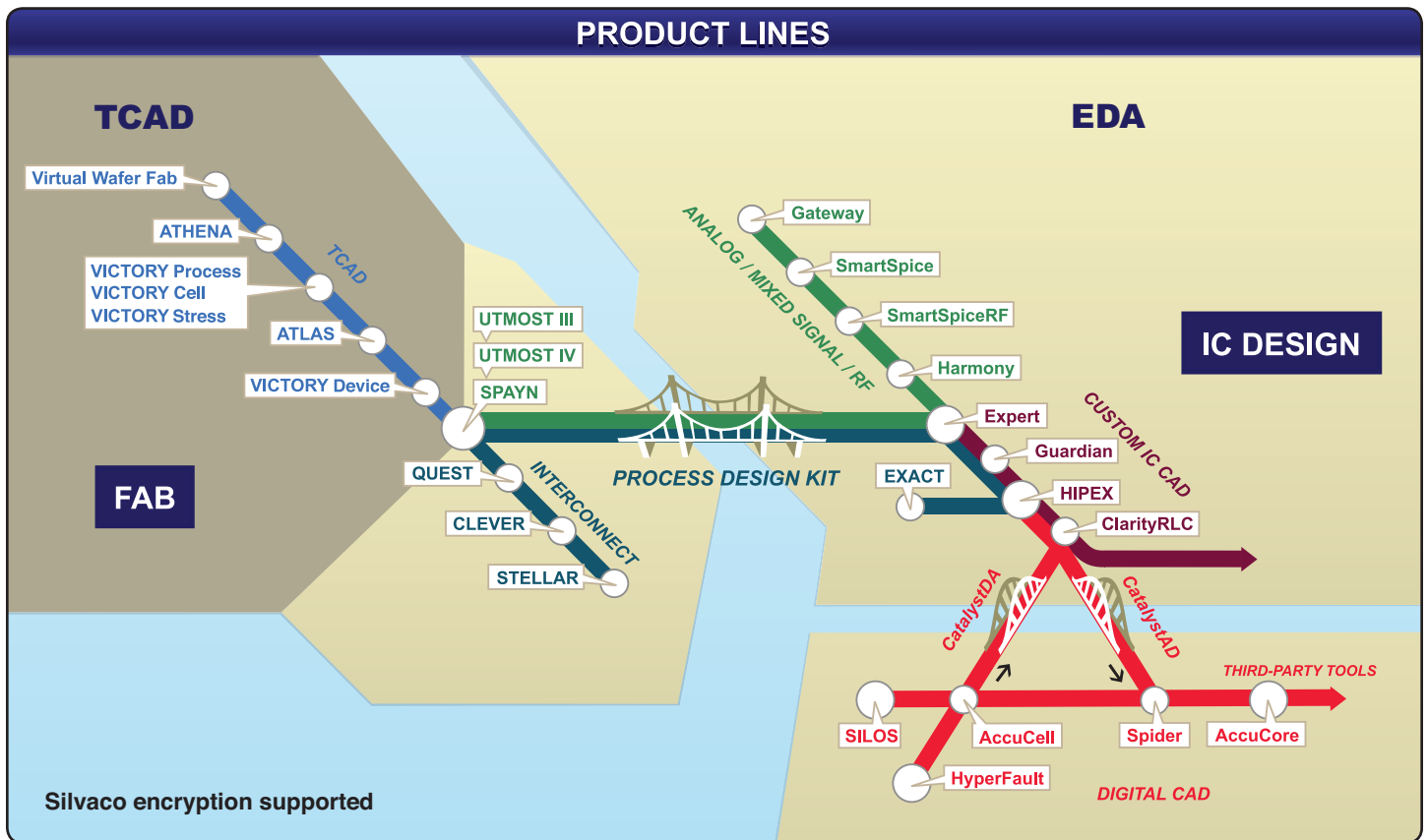
# TCAD TOOLS - TOKEN ALLOCATION

(Multicore Capability Included)

Product Name	Product Description	TOKENS
<b>VWF</b>	Virtual Wafer Fab	4
<b>ATHENA FRAMEWORK</b> <b>Process Simulation Framework</b>		
<b>SSuprem4_bundle</b>	2D Process Simulator <i>Includes: MC Implant, Optolith, Elite, MC Deposit/Etch</i>	20
<b>ATLAS 2D FRAMEWORK</b> <b>2D Device Simulation Framework</b>		
<b>S-Pisces_bundle</b>	2D Silicon Device Simulator <i>Includes: Giga, MixedMode, Quantum, Luminous, Noise, Ferro, Magnetic, MC Device</i>	24
Add-on Simulator		
<b>TFT_bundle</b>	2D Amorphous and Polycrystalline Device Simulator	2
<b>Blaze_bundle</b>		
	2D Device Simulator for Advanced Materials <i>Includes: Giga, MixedMode, Quantum, Luminous, LED, Laser, VCSEL, Noise, Ferro, Magnetic, MC Device</i>	28
Add-on Simulator		
<b>TFT_bundle</b>	2D Amorphous and Polycrystalline Device Simulator	2
<b>Organic_bundle</b>	OLED and OTFT Organic Display Simulator/ Organic Solar Cell and Photodetector Simulator	4
<b>ATLAS 3D FRAMEWORK</b> <b>3D Device Simulation Framework</b>		
<b>Device3D_bundle</b>	3D Device Simulator <i>Includes: Giga3D, MixedMode3D, Quantum3D, Luminous3D, LED3D, Magnetic3D, Thermal3D</i>	30
Add-on Simulator		
<b>TFT3D_bundle</b>	3D Amorphous and Polycrystalline Device Simulator	2
<b>VICTORY FRAMEWORK</b> <b>3D Process and Device Simulation Framework</b>		
<b>VICTORY Process</b>	3D Process Simulator	100
<b>VICTORY Cell</b>	3D Cell Process Simulator	100
<b>VICTORY Stress</b>	3D Stress Simulator	80
<b>VICTORY Device</b>	3D Device Simulator	100

# EDA TOOLS - TOKEN ALLOCATION

Product Name	Product Description	TOKENS
<b>AMS</b>		
Gateway	Schematic Editor	4
SmartSpice Singlecore	Analog Circuit Simulator	6
SmartSpice Multicore	Analog Circuit Simulator	10
Rubberband	Circuit Rubberbanding	2
SmartSpiceRF	RF Circuit Simulator	12
Harmony	Analog/Mixed-Signal Simulator	20
<b>IC CAD</b>		
Expert	Layout Editor	6
ExpertViews	Layout Viewer	2
Guardian-DRC	Physical Verification	10
Guardian-LVS	Physical Verification	10
Guardian-NET	Physical Verification	10
HIPEX	Full-Chip Parasitic Extractor	24
Clarity RLC	Parasitic RLC Reduction Tool	10
<b>DIGITAL CAD</b>		
Spider	Place and Route	50
AccuCell	Characterization and Modeling Tool	24
AccuCore	Block Characterization and Modeling with STA	32
CatalystAD	SPICE Netlist to Verilog Gates Converter	18
CatalystDA	Verilog Gates to SPICE Netlist Converter	10
SILOS	Verilog Simulator	2
HyperFault	Mixed-Level Fault Simulator	20
<b>Interconnect Modeling</b>		
EXACT	Full Chip LPE Rule File Generation	10
CLEVER	RC Extractor for Realistic 3D Structures	32
QUEST	3D High Frequency Inductance Extractor	18
STELLAR	3D Physics-Based RC Extractor for Large Cells	24
<b>SPICE Modeling</b>		
UTMOST IV DATA ACQ	Data Acquisition Module	8
UTMOST IV FIT	FIT Module	12
UTMOST IV Full Package	Full Package includes Data, FIT, and Optimization	24
UTMOST III MOS	Software for extracting MOS model parameters	12
UTMOST III BIPOLAR	Software for extracting BIPOLAR model parameters	12
UTMOST III SOI	Software for extracting SOI model parameters	6
UTMOST III TFT	Software for extracting TFT model parameters	12
UTMOST III GaAs	Software for extracting GaAs model parameters	6
UTMOST III JFET	Software for extracting JFET model parameters	2
UTMOST III DIODE	Software for extracting DIODE model parameters	2
SPAYN	Statistical Parameter & Yield Analysis	16



Product availability is through any combination of Universal Tokens, term-based or perpetual licensing. Real time token utilization reporting allows CAD managers to optimize token allocation. Software tools are available on Red Hat Linux, Solaris and Windows platforms, with product maintenance and support included.

## The New Product Licensing Solution for the New Economy

# SILVACO

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