



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076

Technical Specifications for TCAD OMNI License

| Athena Framework | Process Simulation Framework |
|-------------------------|--|
| SSuprem 4 | 2D Core Process Simulator |
| MC Implant | Advanced Monte Carlo Implantation Simulator |
| Optolith | Advanced 2D Optical Lithography Simulator |
| Elite | Advanced Physical Etching and Deposition Simulator |
| MC Etch & Deposit | 2D Monte Carlo Deposition and Etch Simulator |

| Atlas 2D Framework | 2D Device Simulation Framework |
|---------------------------|---|
| S-Pisces | 2D Silicon Device Simulator |
| Blaze | 2D Device Simulator for Advanced Materials |
| MC Device | 2D Monte Carlo Device Simulator |
| Giga | 2D Non-Isothermal Device Simulator |
| MixedMode | 2D Circuit Simulation for Advanced 2D Devices |
| Ferro | Ferroelectric Field Dependent Permittivity Model |
| Magnetic | 2D Magnetic Device Simulator |
| Quantum | 2D Simulation Models for Quantum Mechanical Effects |
| Luminous | 2D Optoelectric Device Simulator |
| LED | Light Emitting Diode Simulator |
| VCSEL | Vertical Cavity Surface Emitting Laser Simulations |
| Laser | Semiconductor Laser Diode Simulator |
| TFT | 2D Amorphous and Polycrystalline Device Simulator |
| Organic Display | OLED and OTFT Organic Display Simulator |
| Organic Solar | Organic Solar Cell and Photodetector Simulator |
| Noise | 2D Small Signal Noise Simulator |

| Atlas 3D Framework | 3D Device Simulation Framework |
|---------------------------|---|
| Device 3D | 3D Device Simulator |
| Giga 3D | 3D Non-Isothermal Device Simulator |
| MixedMode 3D | 3D Circuit Simulation for Advanced Devices |
| Magnetic 3D | 3D Magnetic Device Simulator |
| Quatum 3D | 3D Simulation Models for Quantum Mechanical Effects |
| Luminous 3D | 3D Optoelectric Device Simulator |
| TFT 3D | 3D Amorphous and Polycrystalline Device Simulator |
| Thermal 3D | Thermal Packaging Simulator |
| TonyPlot | Interactive 1D/2D Visualization Tool |
| TonyPlot 3D | 3D Interactive Visualization Tool |
| DevEdit | Structure and Mesh Editor |
| DevEdit 3D | 3D Structure and Mesh Editor |
| DeckBuild | Run-Time Environment |
| MaskViews | Integrated Layout Editor |

Warranty Period: 3 Months