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Exhibitor Introduction	STR develops physics-based simulation software and provides modeling services for crystal growth, epitaxial processes, and the operation of semiconductor devices. Every software product is built on comprehensive in-house research to ensure careful validation of the physical models and numerical approaches. STR's expertise in crystal growth science and device engineering is reflected in numerous publications in peer-reviewed journals. Through predictive simulation, STR helps its partners understand and optimize their crystal growth and device processes across four areas: - crystal growth from the melt and solution; - bulk crystal growth from the gas and vapor phase; - deposition and epitaxy; - optoelectronic devices.	
Exhibit Product	Software packages: Virtual Reactor and CVDSim3D – epitaxy of compound semiconductors (GaN, III-V, Si, SiC) STREEM – stress buildup and relaxation in AlGaN- and InGaN-based epitaxial stacks CGSim – Cz, VGF, Bridgman, and Kyropoulos crystal growth from the melt and solution (Si, Ge, InP, GaAs, GaN, SiC, sapphire, YAG, and more) Virtual Reactor PVT – bulk crystal growth of SiC, AlN, and GaN by PVT and HVPE IProS2D – multiscale modeling of thermal and plasma-assisted device processing steps DiaDeMo – single-crystal diamond growth by MPCVD PolySim – polysilicon deposition by the Siemens process	