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Exhibitor Introduction	**Sanayi System Co., Ltd.** was established in 2002 and it has become the leading supplier in display simulation industry by developing and providing the simulation software for designing the LCDs, OLEDs, and touch panels. Over the years, numerous domestic and international display panel manufacturers, optical film and material suppliers, as well as universities and research institutions have validated the excellence of the product and achieved significant accomplishments in research utilizing the product. Even at this moment, the design and analysis utilizing this product are taking place across the entire display industry, greatly contributing to productivity enhancement and technological advancement. The technology used in this product performs the analysis of multi-physics phenomena applicable in the fields of electrical, electronic, mechanical, thermal and optical analysis of display panels. In the past, numerous analysis programs used in advanced industries were developed overseas and imported. Sanayi Systems Co., Ltd. has achieved the localization of simulation technology based on years of experience and expertise, with 40% of total revenue achieved through overseas exports. Furthermore, due to the recent demand for the	

	development of various form factor display products, including flexible displays for automotive, AR/VR environments, the product development cycles have shortened, requiring consideration of diverse phenomena. Consequently, the reliance on and importance of simulation programs capable of design and analysis in advanced industries are increasing significantly. As a result, the role and growth potential of our programs will also increase exponentially.
Exhibit Description	■ **TechWiz LCD** It is a simulation program specialized in the analysis of optical and electrical characteristics of LCD panels. Diffraction effects and LC lens can be designed and analyzed using this program. ■ **TechWiz OLED** It is an optical analysis program of OLED that performs outcoupling calculation and EQE calculation according to EML of OLED panel. It is suitable for designing the optimal light efficiency of OLED panels. ■ **TSolidX** It is a 3D modeler that uses the semiconductor staking process based on the layout. Micro-lens array structures for optical analysis can also be generated. As such, TSolidX outputs various CAx formats that can be used in commercial tools. ■ **TRCX** TRCX utilizes distributed computing techniques to design and provide solutions for capacitance and resistance of Touch panel, LCD and OLED panels. It provides accurate results of a large area including multiple electrodes. It is also excellent for large-area calculations using the job scheduler. ■ **TDeformX** It performs deformation analysis by applied external forces to the fine pattern of 3D structures such as LCD and OLED panels. TDeformX analyzes power loss according to voltage applied to 3D structures, and heat conduction and convection phenomena by temperature conditions. ■ **TVolumeX** TVolumeX analyzes the dynamics of the entire panel according to the column spacer design in the LCD panel and calculates the optimal liquid crystal injection amount.
Exhibit Product	**TechWiz LCD:** Simulation Software for LCD Display Panels **TechWiz OLED**: Simulation Software for OLED Display Panels **TSolidX:** 3D Model Generator for CAx format **TRCX:** RC Parasitic Extractor **TDeformX:** Mechanical, Electrical, Thermal analysis of the Panels. **TVolumeX:** Optimal LC Volume Designer