

Elevate and accelerate your FTTH (Fiber to the Home) network design with FibPlanner, our cutting-edge solution, fully integrated within ArcGIS Pro. Designed for efficiency, precision, and automation, this ...

Discover how SmarAct's precision technology enhances fiber array assembly for optimal performance in photonic systems.

IQGeo's Comsof Fiber delivers automation and optimization algorithms that reduce the end-to-end fiber planning and design process by 50% to 90%. Comsof Fiber empowers engineers to quickly compare ...

Aligning optical fiber arrays to integrated photonic circuits (PIC) or waveguides quickly and with minimum signal loss is crucial for meeting the demands of the photonics industry.

RAM's fully automated manufacturing allows customers to define an arbitrary interface geometry, custom collimation layer, and mixed fiber types, while guaranteeing the volume and cost ...

Accelerate revenue generation and streamline your fiber planning and design process with our automated planning and design solution. Tailor-made fiber networks can be created in minutes, ...

PI provides a range of solutions for photonics and optics alignment. Our motorized fiber positioners and automated sub-systems are suitable for silicon photonics and active optical alignment.

This paper presents an artificially intelligent process planner designed to optimize and automate the fiber placement process. The system utilizes advanced machine learning techniques to ...

Automated Fiber Placement (AFP) technology has found its way into a diverse range of industries, revolutionizing the manufacturing of composite structures. From traditional aerospace applications to ...

Abstract: We have developed a new technique for high-count fiber array connector production. Fully automated manufacturing was demonstrated for 500-count arrays with 250 $\mu$ m center-to-center ...

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