

Acceleration of Academic Research and Industrial Advancement through a Femtosecond Laser Light Source Kit

Kokyo

Kokyo, Inc.

Ultrashort Pulse Laser Kit (Mode-Locked Ti:Sapphire Laser Kit)

Features

- Reduced system cost dramatically, significantly lowering the barrier to research adoption (Over 500 units sold cumulatively)

Applications

- Applications in ultrashort-pulse laser research, bioimaging, materials science, and advanced energy research at universities and research institutions



Next-Generation Micromachining System Ultra-High-Precision Femtosecond Laser Micromachining System “Femto-pro”

Features

- High-power, high-energy (80 W / 2 mJ), highly stable femtosecond laser processing system
- Equipped with advanced technologies such as Bi-burst mode, UV femtosecond lasers, and LCOS-SLM beam shaping
- Supports three wavelengths —IR, Green, and UV— and variable pulse-width control for optimal processing of diverse materials
- Enables low-thermal-impact, high-precision, high-throughput micromachining of difficult-to-process materials

Applications

- Slicing, dicing, and beveling of next-generation power semiconductor materials such as GaN, SiC, and diamond
- Thin-film patterning and selective film removal for perovskite solar cells
- Processing of EV battery components
- Microdrilling of inkjet nozzles

