

Development of Mass Production Technology for Short-Wavelength Picosecond Laser Oscillators (Spectronix Corporation)



City	Year of Establishment	Founder
Suita City, Osaka	2004	Joji Okada

Partner VC	Latest round of Fundraising	Valuation
JAFECO Group Co., Ltd.	Series F	Non-Disclosure

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○ Business Plan
To address the challenges of next-generation semiconductor miniaturization in the semiconductor market, we aim to lead the world and strengthen Japan's semiconductor competitiveness by providing solutions through laser oscillators equipped with ultra-short wavelength and short-pulse laser technology.
Therefore, we are developing mass production technology for picosecond laser oscillators with wavelengths of 355 nm and 266 nm.

○ Research Outline
This research and development project aims to establish mass production technology by developing beam quality suitable for use as a light source in processing equipment, ensuring its stability, and developing its functionality as a system.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Energy & Infrastructure	PCA 2025～2027FY	JPY 383 million	-