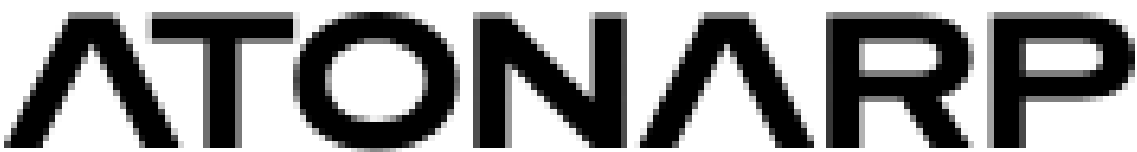


Advanced mass spectrometry sensors for real-time, automated control in semiconductor fabs (Atonarp, Inc.)



City	Year of Establishment	Founder
Minato-ku, TOKYO	2009	Prakash, Murthy

Partner VC	Latest round of Fundraising	Valuation
-	Series 1	JPY 3,000 million

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Website : <https://www.atonarp.com/>

○ Business Plan

We empower semiconductor equipment makers and fabs with compact, high-performance quadrupole sensors for real-time process monitoring, along with advanced mass spectrometry analytics that enable automatic recipe generation and correction through data-driven software tools—boosting manufacturing precision, efficiency, and competitiveness.

○ Research Outline

To ensure successful adoption in high-volume manufacturing environments at leading semiconductor equipment makers, the following initiatives will be undertaken:
Define and refine specifications by gathering detailed requirements from equipment makers.
Develop a commercial prototype (beta version) of the Aston Integrated system.
Conduct evaluations with potential customers to iteratively enhance the solution and meet target specifications by the end of the grant period.
Initiate development of AI-powered data analysis capabilities based on initial specifications, enabling automated insights and learning-driven optimization.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Information & Communication	PCA 2025～2026FY	JPY 422 million	United States

○International collaborative technology demonstration

- Relationship development with potential local partner
- Development and commercialization of the Aston Integrated Module
- Customization of Aston Integrated hardware and software for OEM partners
- Completion of certification and qualification processes for semiconductor industry standards