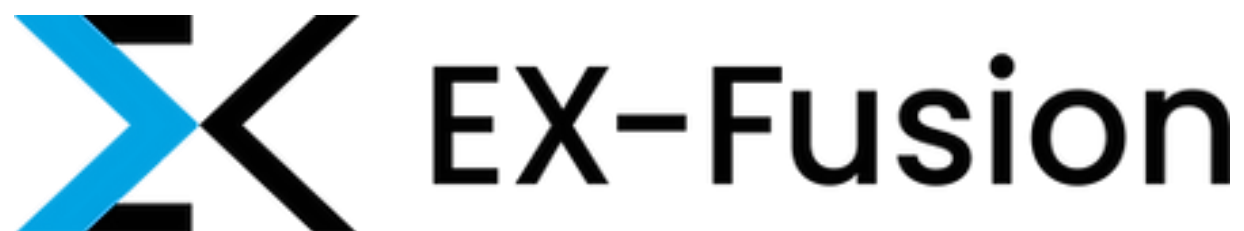


## Realization of high-precision, high-speed machining of difficult-to-process materials by high-power laser processing machines (EX-Fusion Inc.)



City	Year of Establishment	Founder	Website
Suita City, Osaka, JAPAN	2021	Kazuki Matsuo Yoshitaka Mori Shinsuke Fujioka	<a href="https://ex-fusion.com/">https://ex-fusion.com/</a>

Partner VC	Latest round of Fundraising	Valuation
Delight Ventures, Inc.	Seed	Non-Disclosure

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Website : <https://ex-fusion.com/>

○ Business Plan

This project will develop a laser processing system for CFRP, which has been difficult to achieve both "speed" and "quality" using the world's first laser cutting method based on the double-wobbling method. The initial target will be the automotive industry, where cost and quality are important and market expansion is expected in the future, with the aim of later expanding the application to the aircraft field.

○ Research Outline

This R&D will realize a laser cutting process using a high-power laser with a double-wobbling method. The following development items will be implemented to efficiently and effectively use high-power lasers.

- (1) Development of laser processing head
- (2) Development of processing head driving device
- (3) Optimization of laser irradiation conditions

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Materials	STS 2023 - 2024FY	JPY 200 million	—