R&D of "Self-learning robot hand" (Thinker Inc.)

City	Year of Establishment	Founder
Osaka City	2022	Hiromichi Fujimoto

Partner VC	Latest round of Fundraising	Valuation
Future Venture Capital Co., Ltd.	Series A	Non-Disclosure

○ Business Plan

Our original "Pre-Touch Sensor" can understand shape and position of the object in real time. "Flexible Actuator" is robot hand structure technology to achieve flexibility and high precision. We develop original high-function robot hand by combining these two core technologies, and install "self-learning algorithm" to realize entirely new robot hand that enables bulk picking of multiple types objects without teaching.

○ Research Outline

We already almost have completed development of robot hand that enables bulk picking of multiple types objects. However, it must be essential to develop further technology of controlling robot hand automatically in terms of user-friendly. Therefore, we newly progress development of ①self-learning algorithm (to presume the best way of grasping trying repeatedly by itself) and ②further evolution of hardware (to drastically expand variety of objects to handle and the way of grasping). We aim to realize cutting edge robot hand that can achieve both flexibility and learning ability.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Mobility	STS 2024～2026FY	JPY 215 million	-

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