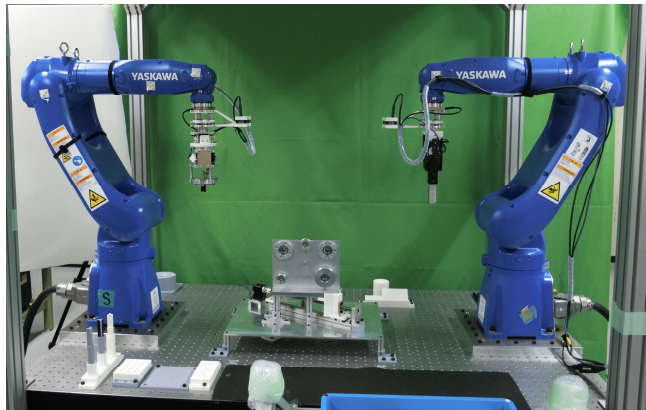
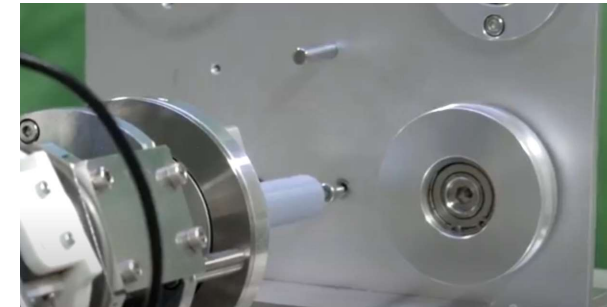


JAKS (Japan)



Development point

Accurate motion is performed by using vision sensor and force sensor. We have developed sensing modules for high success rate. For examples, the screw position is measured by vision sensor accurately. The contact force is measured by force sensor and controlled.



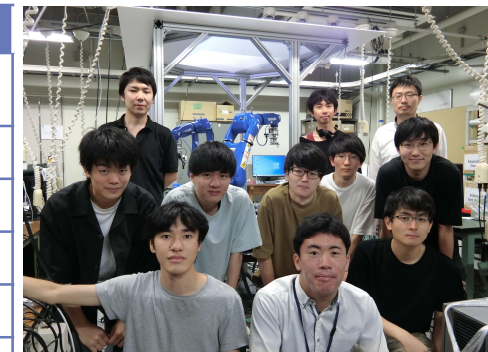
Introduction of your team

【Inspiration, motivation to form a team】 Our team is formed in four laboratories in Kanazawa University and Shinshu University. The experts in robot hand, sensors, image processing, and motion planning gather for developing total system.

【Future outlook】

Since issues of robot assembly became clear through the development for this competition, we will continue to develop assembly system.

Role	Name	Affiliation/Title	Specialty, Field of study
Team leader	Tokuo Tsuji	Kanazawa University, Robotics and Mechatronics Lab. Associate professor	Motion Planning
Hardware	Yosuke Suzuki	Kanazawa University, Robotics Design Lab., Assistant Professor	Tactile sensor, Proximity sensor, Mechanical design
Hardware	Toshihiro Nishimura	Kanazawa University, Human Machine Innovation Lab. Assistant professor	Robotic hand
Software	Atsushi Kawakubo	Kanazawa University, Robotics and Mechatronics Lab. M2	image recognition
Software	Riku Kobayashi	Kanazawa University, Robotics and Mechatronics Lab. M2	image recognition
Software	Takayuki Yamabe	Kanazawa University, Robotics and Mechatronics Lab. M1	Robot motion planning
Hardware	Kenta Tabata	Kanazawa University, Robotics and Mechatronics Lab. D1	Soft material modeling, Mechanical design
Software	Tatsuya Ishichi	Kanazawa University, Robotics and Mechatronics Lab. B4	Robot motion planning
Software	Harumasa Ishisaki	Kanazawa University, Robotics and Mechatronics Lab. B4	Robot motion planning
Hardware	Wataru Michishita	Kanazawa University, Robotics and Mechatronics Lab. B4	Robotic hand



Contact

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HP etc.

<https://www.youtube.com/channel/UCZboIz64YqdmvrKC7pF11w>