

1. Adoption plan of Syouei System Co., Ltd.

- 2020 January _ Plan to hire one mechanical design engineer (preferably a senior engineer, or a new graduate student in April).
- April 2021 _ Plan to hire another engineer from Mechanical Engineering.
A total of two mechanical design engineers will be hired to reinforce development capabilities.

2. Basic qualities as a member of our company

「Ability to work for the benefit of the public (team, company, country (Japan, India), society)」

* It is not fun to work with people who can only work for personal gain. We believe that this ability can only be gained through proper education and self-training from a young age, and is not taught by education after joining the company.

This quality is more important than professional knowledge and skills in recruiting talent.

3. Expected basic personality

1) Experienced mechanical design engineers who are already working

- ① Enlighten yourself and constantly strive to improve your skills.
- ② Has the ability to instruct juniors, create their own teams, and develop products by teams.

2) Students scheduled to graduate next spring

- ① Ability to accurately understand what the other party says
- ② Communication skills _
- ③ Able to absorb new technical knowledge frankly.
- ④ There is a sense of responsibility to complete the requested work within the deadline.
- ⑤ Always looking for ideas that are superior to the level of work requested.
- ⑥ Respect colleagues as partners, not competitors.

4. Mechanical Engineer Job Responsibilities

- 1) Design Positioner based on PZT design that meets customer requirements (Fig.1~Fig.4)
- 2) Design of measurement jig to correctly measure product performance (Fig5, Fig.6)
- 3) Analyze the structure and find a structure that maximizes the performance of the Flexure stage.
Currently, the structure analysis function attached to Solid works is used to predict stage behavior. Although it is manufactured, when it is actually manufactured, it often has a mechanism with characteristics different from the expected one, and it is necessary to recreate it many times to create a stage with the desired specifications. Speed up this design and development process.

4)Analyze and improve the products manufactured so far using the full-scale structural analysis software ANSYS.

5)The required specifications brought in by the user include several important parameters such as stroke, repetition frequency, generated force, and stiffness.. These are mutually influential and it is difficult to decide on a design policy. Rely on the experience of machine designers. In the near future, we will apply AI to design in the theoretical limit area, and aim to develop a Positioner whose performance cannot be followed by other companies. (This will be a very exciting job !)

5.education

- 1) Master of science in Mechanical Engineering Or
- 2)Bachelor of Engineeing in Mechanial Engineering

6.tolls ad technical skills

- 1)design and analysis: Sold works, ANSYS
- 2)Programming languages: C++, Matlab
- 3)communication languages:
 - ① English can be used for business purposes.
 - ② It is enough to be able to speak Japanese enough for everyday conversation.

7.Reward

- 1) The treatment is preferential depending on the ability.
- 2) Teamwork and reward
Compared to the public, 5 people work for 10 people and receive a reward for 8 people.
40% of high-level rewards are rewards for high-level work compared to the world. Evaluation is based on the work achieved by the team to which it belongs.

8. Work location: Tokyo Hachioji City, Japan

There are many universities nearby and many young people such as students live. A city where restaurants are cheap and easy to live in. There is a beautiful mountain nearby and adjacent to a green resort where you can enjoy hiking.

9.Other special notes:

- 1) The Company will consider India the most important country in the future.
- 2) A person with no resistance to work in Japan for a long time is preferable.
- 3) In the near future, when our company establishes a corporation in India, it is preferable to have a business mind to help the plan as responsible person
- 3) In some cases, we will gladly consider repayment exemption scholarships for Indian students.

10. Contact information: Hitoshi Ariu ariu@s-sl.co.jp, +81(0)426601248

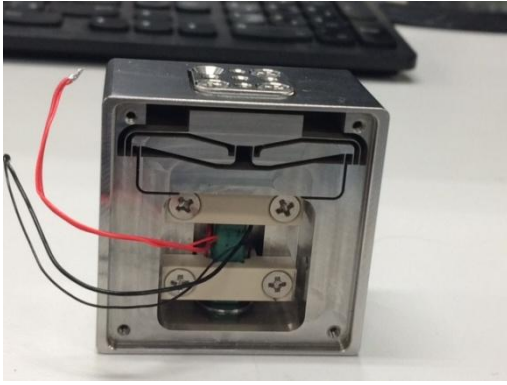


Fig.1_Z250-IT stage



Fig.2_X100-YH stage



Fig.3_Z250e

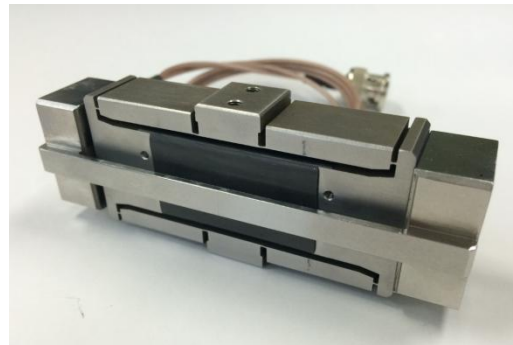


Fig.4_Z1000

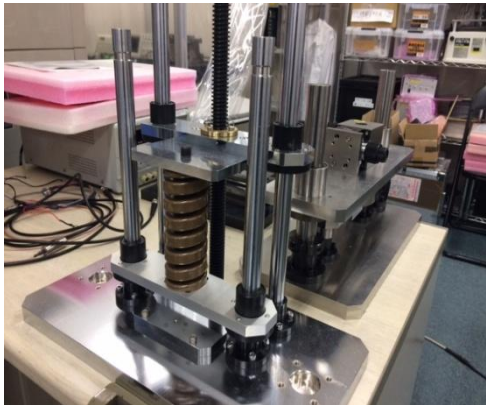


Fig.5 Stage Test stand -1

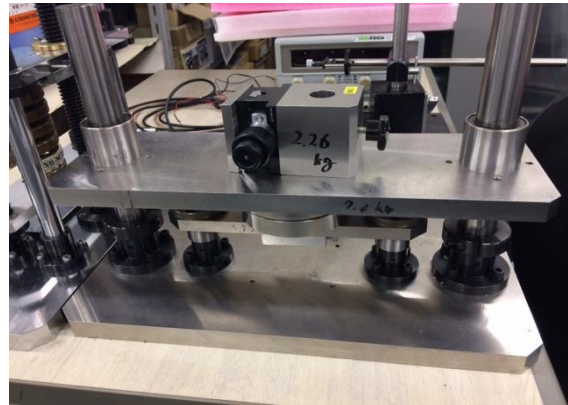


Fig.6 Stage Test stand -2



Fig.7 Two plate Capacitance sensor_3ch OEM



Fig.8 Capacitance sensor probe



Fig.9 Capacitance sensor amp. box

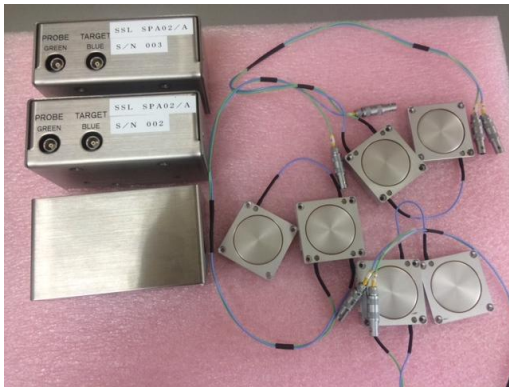


Fig.10 3Ch two plate cap. sensor & preamp



Fig 11 6ch two plate capacitance sensor amp