

Bilateral Science and Technology Collaboration with Asia 2017-2020

Juken Kogyo Co., Ltd

Workload: 100%

Workplace: Juken Kogyo Co., Ltd, 441-8077 35 Tonowari, Jinnoshinden cho, Toyohashi, Aichi, Japan

Juken Kogyo Co. Ltd produces precision and ultra-precision plastic parts by injection molding. These high value products are processed in a highly efficient environment. Depending on the client's request, cleanroom production is also available. The company offers total solution for plastic molding to our customers: R&D support, design consultation, trial production, mold making, molding system, and manufacturing service in one package. The business area of Juken includes automobile, watch, medical and optical industries, as well as skunk works for research institutes, such as CERN and University of South Australia. Juken Kogyo is located at Aichi prefecture where the central area of the main island of Japan.

Responsibilities of intern:

- Plastic molding: from basic operation of machine and trial productions, working in a clean room environment for medical components etc.
- Ultra-precision machining: nano- precision machining for optical lens molds or similar products, such as micro fluidics and catheter parts etc.
- Ultra-precision metrology: nano-precision metrology for intra-ocular lens molds, test products for compact linear collider for CERN, etc.
- Industrialization study of CLIC disk mass production for CERN. Juken offers a technical management opportunity for a scientific project.
- Mass production of plastic parts: from production planning to factory operations, inspection as well.

The student can choose or coordinate any combinations of these. He / She can change after the company's 2-4 weeks basic orientation program covering all work areas.

Requirements:

- Currently enrolled Bachelor or Master Student in precision machining, precision plastic molding, technical management, precision mold production, at a Swiss university or university of applied sciences; **or** graduated as BSc or MSc within less than 12 months before the starting date of the internship.
- Basic knowledge of plastic materials and injection molding process
- Basic metrology and machining knowledge are an asset but not required
- Swiss national or resident in Switzerland
- Fluent in English, Japanese is an asset but not required
- Open minded, proactive and independent person

Employment conditions:

- 3 months full time internship with start date based on mutual agreement
- Bicycle for local transportation provided by company
- Free accommodation
- Free lunch (bento box lunch)
- Travel expenses from, and to Chubu International Airport
- Scholarship through the bilateral science and technology programme with Asia covering flight and additional living costs