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| Division of Mechanical Science and Engineering | Research field | Material Processing | Lab. ID ME12 |
| Laboratory web site | https://zkks.w3.kanazawa-u.ac.jp/fti/ | | |
| Research subjects | | | |
| <p>We are conducting research on thermoplastic CFRP (carbon fiber reinforced thermoplastic resin), mainly focusing on forming techniques such as pressing, joining, and cutting. CFRP is characterized by its light weight and strength, and CFRP using thermoplastic resin has the potential to improve formability and production efficiency, and is expected to be mass-produced in the future. Thermoplastic CFRP requires a forming method different from that of conventional metals, resins, and thermosetting CFRP. Our research theme is to understand the deformation mechanism of thermoplastic CFRP and to clarify various forming methods and mold design methods suitable for thermoplastic CFRP.</p> | | | |
| Master/Doctor course: Education policy, curriculum, typical activity in the laboratory | | | |
| <p>Master course student is requested to achieve performance to plan research schedule, develop equipments, perform experiments, summaries and investigate the results. We have regular meeting to discuss how these things are proceeding. Doctor course student must achieve the performance to find research subject and elucidate the significance of the research result and write research paper.</p> | | | |
| Daily life in the laboratory, etc. | | | |
| <p>Communication among students is important as well as the communication with professor. Welcome party and various kind of party in the laboratory is important time for mutual understanding.</p> | | | |
| Message or comments by the laboratory faculty staffs | | | |
| <p>Please survey by yourself on the interested things, make an effort to create your original idea and investigate by yourself on the obtained experimental data. Please ask your surrounding students on anything what you don't know. Through these activities you can get many knowledge and skills for promoting the research.</p> | | | |
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