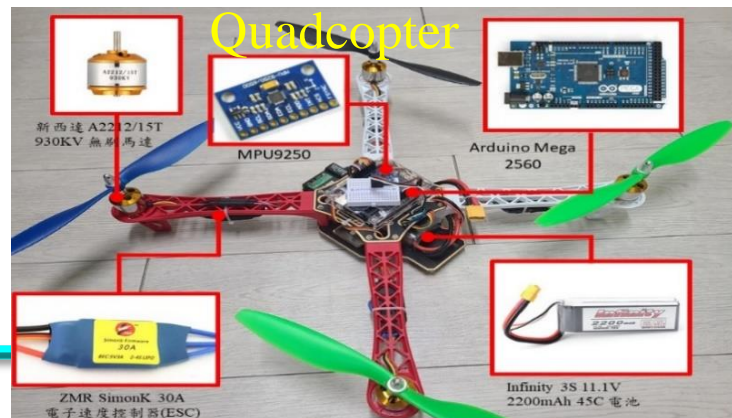
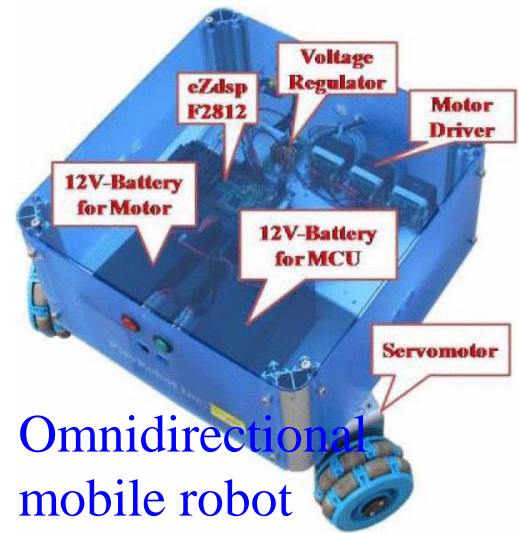
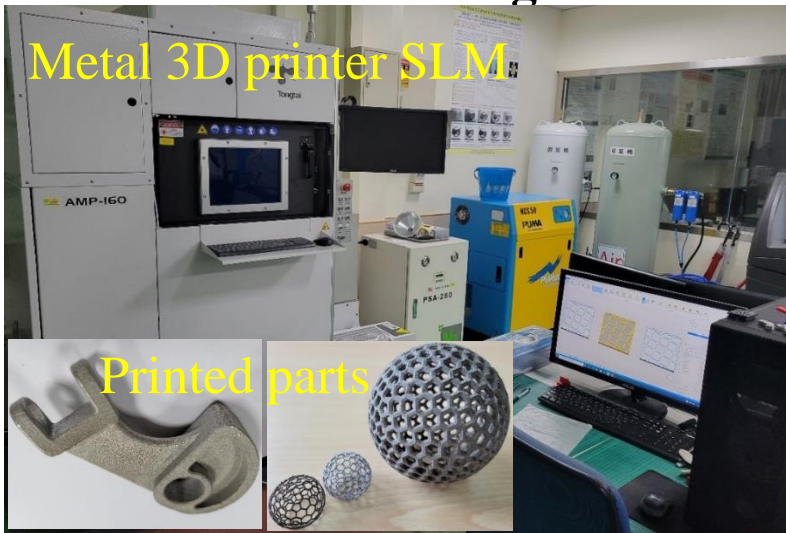


Features in Department of Mechanical Engineering

- ☺ Development fields of the undergraduate department: **Mechanical Design, Digital Electromechanical, Energy Technology**
- ☺ Research directions on Digital Mechatronics Master: **Intelligent Machinery & Mechatronics Integration**



Course in Department of Mechanical Engineering

☺ Three major groups: **mechanical design**, **energy technology**, and **digital electromechanical**

Research Institute/
International Exchange

Freshman year
Foundation Course

Sophomore year
Advanced courses

Junior year
Advanced & Professional

Senior year
Professional

Corporate visits/off-site teaching/professional certification examinations/off-campus competitions

Special topics courses

Corporate internship

☺ Scholarships and Bursaries

Zhen Ding Tech. Group

Object: National or foreign students who have been studying for a master's degree for five years, or students in master's and doctoral programs.

Award amount and period: Scholarships and stipends of NT\$90,000 per semester are provided but the scholarship period is up to two years for master's degree students and four years for doctoral students.

Yieh United Steel Corp.

Object: Domestic or foreign second- and third-year university students.

Award amount and period: Selection for the second semester and subsidies for third to fourth grade students. During the study period, a scholarship of NT\$50,000 will be awarded each semester, totaling NT\$200,000. Students who receive subsidies are required to participate in the industrial internship program (under senior year), and students with outstanding performance will be given priority to become full-time employees after graduation.

Features in Department of Mechanical Engineering

☺ Learning skills

- Computer-aided drafting, computer-aided engineering analysis, machine/deep learning
- Precision machining, CNC machining, 3D printing
- Robotics, automation engineering, Internet of Things
- Energy engineering, electromechanical integration, semiconductor process

☺ Future job market

- Semiconductor manufacturing process, electronic technology, precision machinery, transportation (MRT, train, transportation), energy technology, electromechanical integration, smart manufacturing, Internet of Things, robotic arms

☺ Mechanical talents that are popular in future industries

- Electric vehicle industry, green energy, net-zero carbon emissions and ESG certification, automated production systems, smart manufacturing, national-made ships, artificial intelligence robots

☺ Outstanding Department Friends

- Xie Rongzhe: CEO of China Grinding Wheel Enterprise Co., Ltd.
- Zheng Jinxiang: Dean of the Department of Aerospace Engineering, National Cheng Kung University/Chairman of the Aerospace Society of the Republic of China
- Huang Yinting: General Manager of Taiwan Puxi Co., Ltd.

