

Microstructural control for high performance Magnesium alloys

Department of Materials Science and Engineering

Instructors: ○ Assoc. Prof. Daisuke ANDO

Assistant Prof. Shuang Yi

Do you know
where we use **Magnesium**?



Mg alloy have good properties, such as light weight, high specific strength, high hydrogen storage, and good shielding for electromagnetic wave. Thus, Mg alloys are used for mobile electronic devices and expected to use for vehicle and aerospace as inner structure parts.

In this lecture, you can learn how to design Mg alloys with high performance and experience melting, rolling, annealing them, and testing their mechanical properties and functionalities. According to this lecture, I hope you will be interested in materials science.

A. Inner structure parts

Contact : Daisuke ANDO, TEL : 022-795-7339, e-mail: dando@material.tohoku.ac.jp