

# Let's examine plastic formability of metal sheet

Staffs : Prof. Katsunari Oikawa, ○ Asst. Prof. Nobufumi Ueshima

TEL : 022-795-7347, E-mail: n-ueshima@material.tohoku.ac.jp

Starting Date: Oct. 1st 2024, 4:20pm

303 Material Science and Engineering Education and Research Building (B01)  
(Oikawa research group's room)

Sheet forming is a manufacturing process to form metallic sheet into desired shape by punching, cutting, stamping and bending. Sheet forming is used when producing various items including components of cars, electric appliance, components of machines, electronic parts. Crack is a one of forming defects and it should be avoided.

In this class, formability of metal sheet and will be measured by punch stretch-forming test. Let's discuss how we can avoid crack by investigating the influence of sheet shape on formability.



Equipment for hydrostatic bulge testing