

Questions?

- Project
 - Due on Oct 10!
- From last class
 - No scaling in Alibre
 - *Only for parts*

Hardware lab

- Access

- Go to #3252 (using your keycard)
- Take the key for #3205

- Safety

Lab privileges will be revoked if you do not follow these rules

- Never use the laser without constant supervision!
- Never leave the room while the laser is operating!
- Always have the extractor fan on before using the laser cutter!
- Always wear adequate protection in the lab
 - *Safety glass (it is best to buy your own)*
 - *Ear plugs if the fan is on (provided in the lab)*

Laser cutting

- System overview
- Creating a drawing
 - Color coding will tell the laser what to do
 - *Raster to reproduce an image for example*
 - *Vector cutting for precise cut*
 - With Alibre, use the drawing format
 - *Set thickness and color using layer setting*
 - *Avoid cutting your dimensions...*
- Setting up the print job
 - Using predefined configuration
 - Using manual configuration
 - *Reference the table*
 - *Try and error test, always proceeding with caution*

Laser cutting

- Setting up the laser
 - Adjusting the height of the table
 - Using the red laser to align your cut
 - Cutting proper
 - Material to cut
 - *Paper, wood, acrylic...*
 - *Do not cut PVC*
 - *Do not attempt to cut uncoated metal*
 - *Ask me first before cutting material not described in the manual*