

## Customer Needs

### Safety

- Reduces risk of injury from falling
- Resists fast movement
- No pinch points
- Kid-safe materials

### Comfort

- Ergonomic seat
- Comfort-grip handles
- Easy to mount
- Avoids extremes of motion

### Fun

- Allows for freedom & creativity
- Visually appealing

### Durability

- Weather resistant
- Heavy load accommodation
- Long lifespan

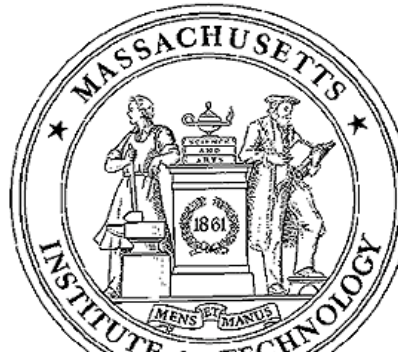
### Other Considerations

- Does not squeak
- Small footprint

## Product Engineering Processes at M.I.T.

Product Engineering Processes, more informally known as 2.009, is a senior-level design course within the Mechanical Engineering Department at M.I.T. Students work for the duration of the fall term in teams of 15 to 18 individuals to create working alpha prototypes of innovative products. Projects embrace all early phases of product development, including idea generation, customer and market data background research, idea selection, concept generation, sketch model construction, mockup construction & evaluation, and construction of a finalized alpha prototype. This year's class theme is "products that conserve energy, use alternative energy, and/or use cleaner energy."

This class is part of the Mechanical Engineering program at the Massachusetts Institute of Technology, which has been ranked as the top in the United States by U.S. News and World Report for many consecutive years. The Mechanical Engineering Department is one of the largest undergraduate majors at the school, with over 60 dedicated professors and staff.



### 2.009 Green Team Final Presentation



**Wednesday, December 8, 2004**  
**MIT Room 34-101**  
**Edgerton Hall**  
**7:30 p.m. - 9:30 p.m.**

<http://web.mit.edu/2.009/ww>