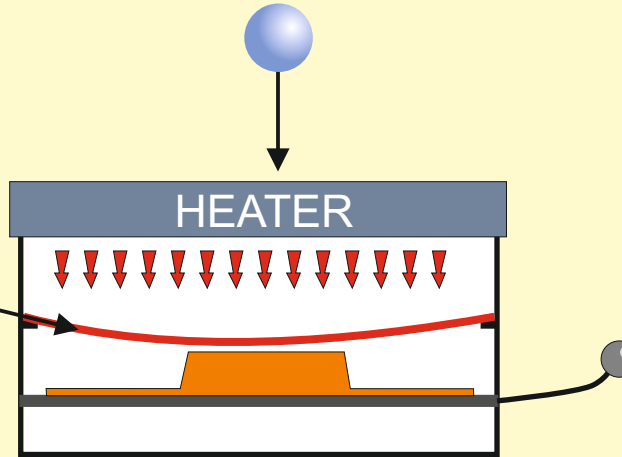


CLICK ON THE SMALL CIRCLES FOR LINKS TO USEFUL INFORMATION.

# VACUUM FORMING, PROFILE CUTTING AND THE STRIP HEATER

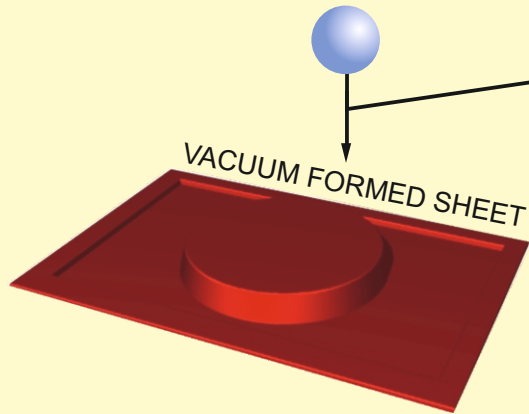
WORLD ASSOCIATION OF TECHNOLOGY TEACHERS <https://www.facebook.com/groups/254963448192823/> [www.technologystudent.com](http://www.technologystudent.com) © 2021 V.Ryan © 2021

1. Briefly, what is vacuum forming?  
Include an image of a product that has been vacuum formed.

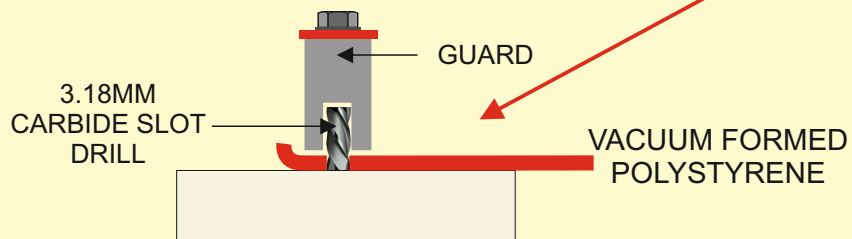


2. Name a material that is suitable for vacuum forming. Describe four properties that the material possesses, making it ideal for this industrial process.

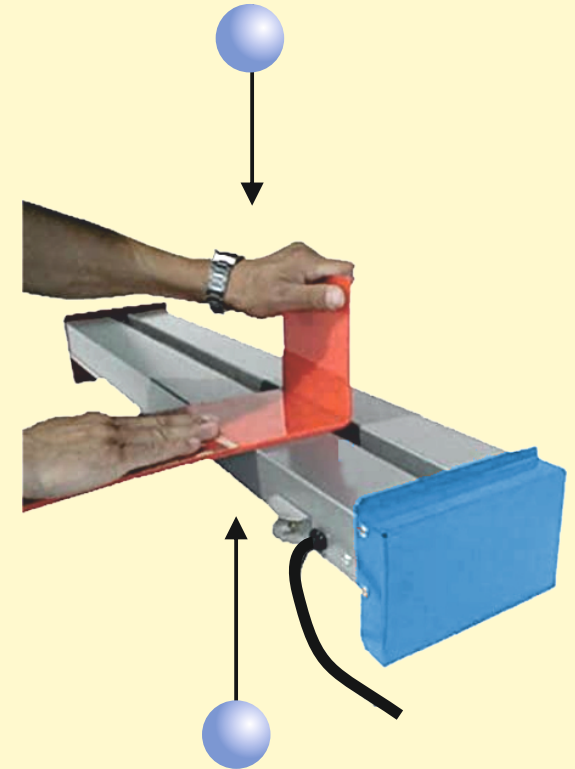
3. With notes and diagrams, describe the stages involved in the vacuum forming process.



4. A profile cutter is sometimes used to trim the edge of material, after vacuum forming. Explain the process and include a sketch / sketches.



6. Using labelled sketches and notes, explain how a strip heater can be used to fold 'thin' perspex sheet, to a 90 degree angle. Include reference to the 'jig' / 'former'.



5. A strip heater is used to 'fold' materials such as perspex. Draw a labelled diagram of a strip heater.

## EXTENSION WORK

Collect images of products that have been shaped / formed by the machines mentioned on this slide / page.