



METC-143  
Process Research Presentation  
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Pickling



# What is pickling?

- Pickling is a process for removing scale and other impurities from metal, usually steel sheet metal.
- In general pickling begins with the production of sheet metal, which goes through several processes:
  - a **degreasing process**, to be certain that the sheet is free of grease and oil
  - a **flattening process**, to be sure it is of even thickness
  - an **acid bath (pickling)** , to remove scale and other impurities
  - a **drying process**, to prevent corrosion
  - a **molten zinc bath** to create a barrier against further development of scale
  - and finally, an **oiling process** to keep the surface clean



# Where is pickling used?

- Pickling is generally used in factories where a wide variety of steel sheet metal products are manufactured.



# Why is pickling used?

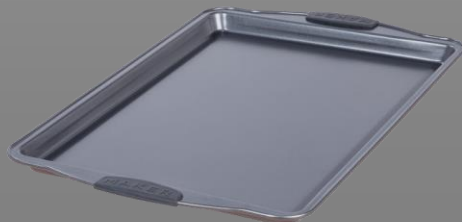
- Pickling is used to make clean sheets of stainless steel, which is used for making the bodies of cars and other pressed sheet metal products, such as bowls, pots, pans, cake molds, cookie sheets, etc.



Stainless steel pots and pans



Mercedes Benz



Baking sheet



Muffin/Cupcake mold



Colander



Stainless steel bowls

## Works Cited

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