

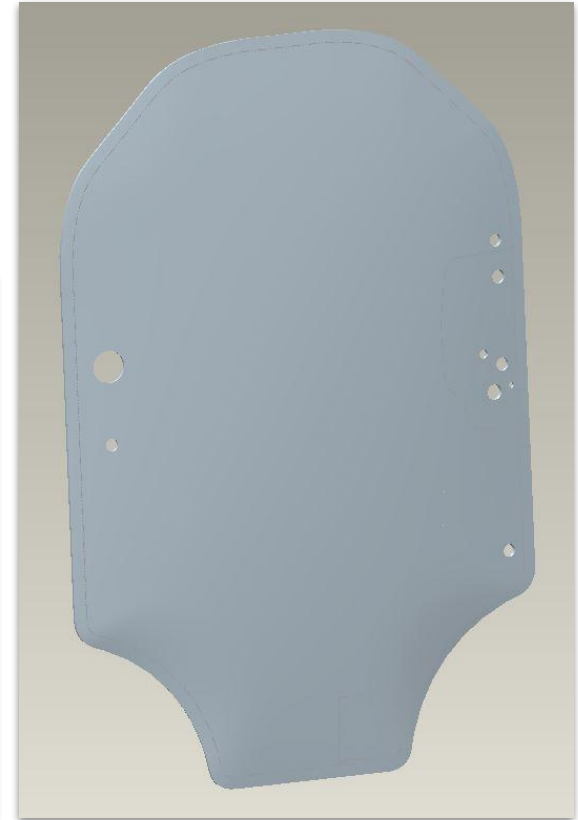
# Portfolio



**Jon Klinger**  
2023

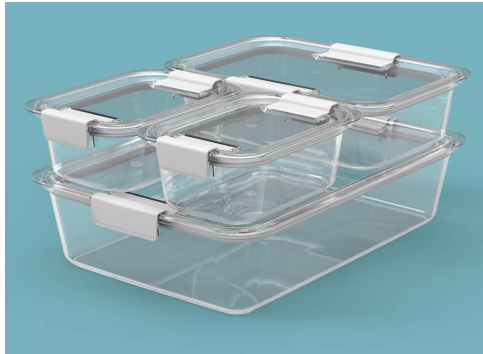


- Manufacturing Techniques Used:
  - Sheet metal, braising, thermoforming, rubber/metal extrusion, weldments, injection molding
- Industry first:
  - Sealed frameless Polycarbonate door
  - Statistical and Finite Element Analysis
- Prototype Project Management:
  - Managed 13 machines and 2 individuals
  - Managed organization for testbeds
  - Managed Prototype Builds





- Manufacturing Techniques Used:
  - Injection Molding, Blow Molding, Sonic Welding, Overmolding, Silicone, Stamping, Progressive Die, Wire Weldment
- Training:
  - Class A Surfacing
  - Predictive Analysis
    - Ansys
    - MoldFlow



- Manufacturing Techniques Used:
  - Pipe bending, Lathe turning, Weldments, Injection Molding, Thermoforming
- Training:
  - GD&T
    - Design
    - Supplier Quality
- Mentored Younger Engineers
  - Class A Surface Modeling
  - SAP
  - GD&T



- Manufacturing Techniques Used:
  - Injection Molding, Stamping, “Kiss Cut” Stamping, Overmolding
  - Casting
- Advanced Surfacing for Industrial Design Integration
  - Plastic components
  - Accessory backwards compatibility
  - Size minimums for buttons maintained in minimal space claim
- First NFPA (1802) Rated Radio
  - Heat and immersion cycles that outperform IP ratings
- Drawings
  - Utilized MDB (Model Based Dimensioning) methodology to simplify 2D-Drawing process
  - Practical GD&T usage daily

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