

P18433 – Nicaragua Bottle Upcycling
Integrated System Review Notes
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Notes

- Mold surface machining, risk of plastic sticking
- Test results: # workers = 2, mold height = 10 in -> cm
- Heaters attached with bolts or welds
- Ceramic fiber insulation handling safety
- Largest risks: heating, extracting
- Brainstorm multiple solutions for problems
- Problem: bottom insulation and bolt length
- Securing aluminum to bottom of mold
- Visual markings for alignment
- Chamfer on pins
- Electrical box placement
- List of future device improvements: electric car jack, mold material
- Video of plastic melting in progress

Action Items

- Frame alignment and welding
- Electrical schematic diagram
- Update machining time chart
- Update test results
- Insulation benchmarking on EDGE
- Call FMS for spare electrical parts
- Machine new gussets
- Poster draft
- Procedures/ manual for use
- Prototype mold testing, plastic removal/cleaning
- Aluminum plate securing method