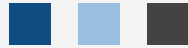


DESIGN DAY

ATTRACTION AMBASSADORS

GNG1103 [G] – Winter 2024 – Group 7





PROBLEM STATEMENT

“The objective is to develop a more efficient and cost-effective jig that improves production line adaptability and reduces setup times and material cost.”

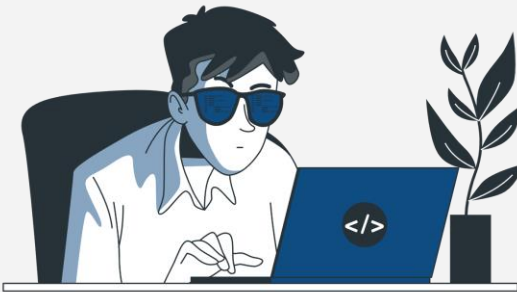


- Reusable
- Requires little time to setup
- Adjustable for many door thicknesses
- Precise/accurate

SPECS

WHY US?

- No mechanical parts
- Magnets have 100% success rate
- Easy repairability



- < 30 sec clamp on
- < 60 sec alignment

WHY NOW?

WHO CARES???

USER REQUIREMENTS

- Cutout height: 6-3/4"
- Cutout width: 1"
- Cutout back set: undefined (equal on both sides - centered)

CURRENT SOLUTIONS

- Different jigs for different thickness of doors
- Free-hand measurements and routing