the deCAPitator
the victim
Feasibility:

- Sketch model had 75% success rate at removing both cap and ring.
- Could be improved with a larger blade.
- Leaves bottles (mostly) intact.
- Can comfortably achieve feed rates of 4 bottles/sec.
- Does not discriminate based on orientation.
The Customer:

• Small scale recycling facilities.

• Needs:
  • Reliable – Low Maintenance
  • Rapid – Cannot be process bottleneck
  • Affordable – Cheaper than manual removal