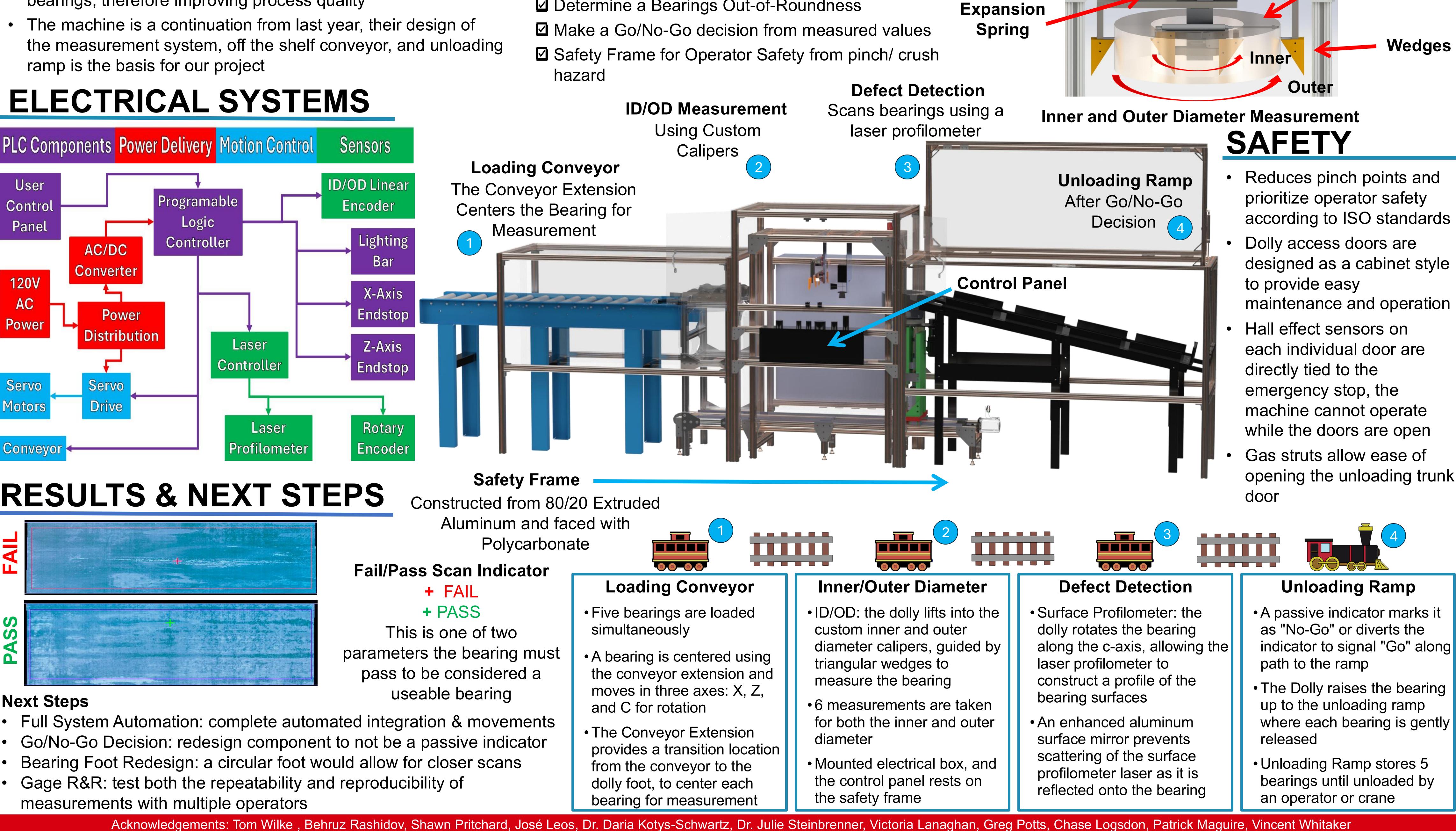
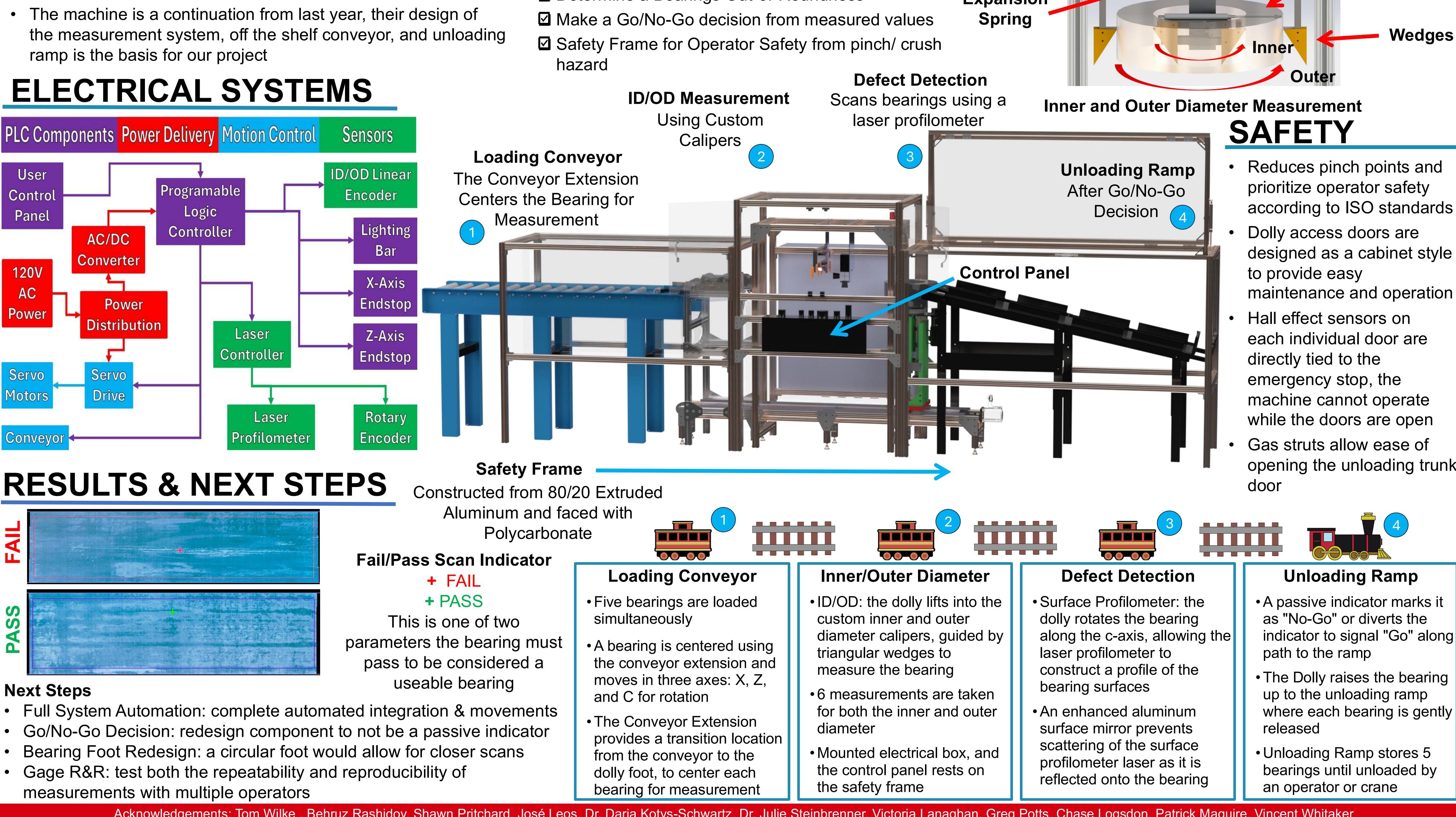


BACKGROUND

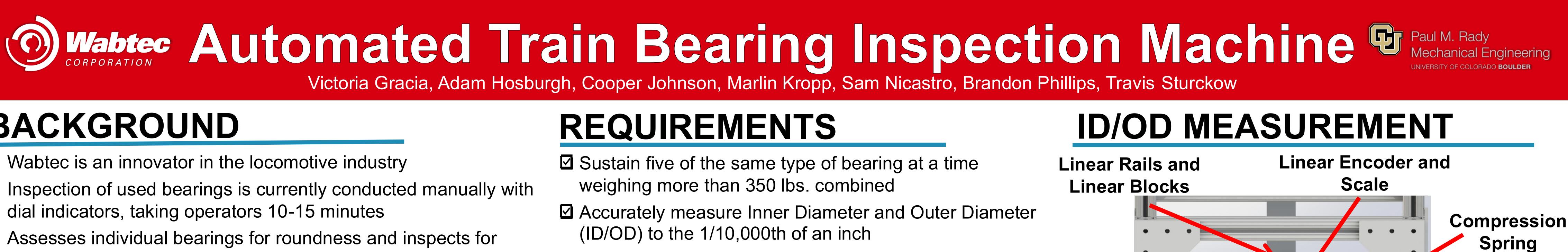
- Wabtec is an innovator in the locomotive industry
- Inspection of used bearings is currently conducted manually with dial indicators, taking operators 10-15 minutes
- Assesses individual bearings for roundness and inspects for surface irregularities, improving precision, clearly identifying unfit bearings, therefore improving process quality
- ramp is the basis for our project





REQUIREMENTS

- ☑ Sustain five of the same type of bearing at a time weighing more than 350 lbs. combined
- Accurately measure Inner Diameter and Outer Diameter (ID/OD) to the 1/10,000th of an inch
- ☑ Detect Surface Defects to 1/1,000th of an inch
- Determine a Bearings Out-of-Roundness



- opening the unloading trunk