



**PROJECT TITLE:** Casting Processor

**PART:** Cast Iron Differential Housing

**PROJECT DESCRIPTION:** Raw parts are manually loaded onto a staging dial, then robotically transferred to the main dial where hydraulic horizontal and vertical trim presses remove excess material at parting lines and axle bore. Parts are then robotically stacked in finished goods containers for shipment.

**FEATURES:**

- 15 second cycle time
- Robotic Part and Pallet material handling
- 75 ton vertical trim press
- 100 ton horizontal trim press
- 70 lb piece part

**BENEFITS:**

- Increased production rate with decreased labor requirement
- Superior surface finish compared to pre-existing grinding process
- Minimized manual product handling of heavy parts
- Highly increased operator safe-guarding



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