



**PROJECT: Piston Machining and Core Removal**

Automated transfer and machining of cast part and high-pressure removal of casting core. Inbound parts are located on a power and free transfer line and robot-loaded to the machining dial. Two horizontal servo spindles perform the machining operations. Once machined, parts are indexed through a high-pressure core removal station and a low pressure rinse station. Finished parts are removed to the transfer line.

**FEATURES:**

- 15 second machine cycle
- Stainless steel machine base, dial cover, and canopy
- Custom OD clamping fixtures
- 5-axis robotic material handling
- Wet vacuum chip and sediment collection system
- High pressure (250 bar) water supply system

**BENEFITS:**

- Increased production rate with decreased labor
- Corrosion resistant designs and material selections resulting in extended machine life
- Future change-over allowed for different part types



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