



ATI INTERMEDIATE WORK CELL



CLIENT
ATI



LOCATION
Albany, OR



TIMELINE
September 2014 –
November 2015



DIVISION
Construction, Controls
& Engineering



VALUE
\$3,155,000

HIGHLIGHTS

- Managed installation of Fanuc M-2000iA/900L Robot
- System in full production two days before scheduled production date

OVERVIEW

Olsson Industrial Electric completed a project to install a conveyor storage and robot work cell system in the ATI Titanium Foundry in Albany, Oregon. This project involved concept design, engineering, and installation of a storage conveyor and robot work cell to process parts through the foundry mold process. The robot work cell is designed to process parts through a slurry dip, sand operation, and transfer finished parts to the storage conveyor.

Olsson was the general contractor for the project and was responsible for all engineering (structural, electrical, and mechanical) and construction of the system. The Olsson project management team coordinated five subcontractors to facilitate a complete system design from concept to production operation. The system was implemented with the latest controls equipment (Allen Bradley, ABB, Ignition SCADA, and Fanuc Robots).

SCOPE

- Developed system concept to meet customer process requirements
- Concept system with simulation software (Simu8) to provide realistic simulated system performance
- As the general contractor, Olsson developed a team of subcontractors to provide a robust design to accomplish requirements from concept
- Management of project to deliver on milestones, budget, and tasks required to implement the design
- Provided engineering and construction for electrical components and software needed to run the system
- Managed subcontractors to deliver design and engineering for mechanical, structural, and construction of the system
- Worked with the customer to facilitate construction schedules to minimize current production impact during installation
- Coordinated design and engineering between multiple subcontractors to provide the conveyor system which would store, dry (airflow around parts) and transfer parts between different robotic clips