



# Intermediate Dip Conveyor

Albany, Oregon

Layout was one of the toughest aspects of this job. A new 140' conveyor line was to be designed to connect one part of the plant to another. At one end was an existing robot that needed to reach both existing equipment as well as the new conveyor, and at the other end was a new robot that needed to reach an existing conveyor, as well as new equipment and the new conveyor. All of this needed to fit within an existing building that did not have room to spare. Our office did an extensive survey of the existing building, existing equipment and other existing infrastructure such as piping, conduit and ducting.

We then coordinated the team which consisted of the owner, robot designer, conveyor designer, electrical engineer and HVAC engineer to come up with a layout that worked for all parties. After finding a layout, we went to work on structural engineering using moment frames in an open frame structure to support the moving conveyor loads.



Pillar's Responsibilities:

- ***Layout for new robot to work with new and existing equipment as well as new and existing conveyor lines***
- ***Design of conveyor structure***

Client: ***Confidential***

**STRUCTURAL | FACILITIES**

for more information contact John Evans, P.E.. at 541-752-9202



[www.pillar-inc.com](http://www.pillar-inc.com)