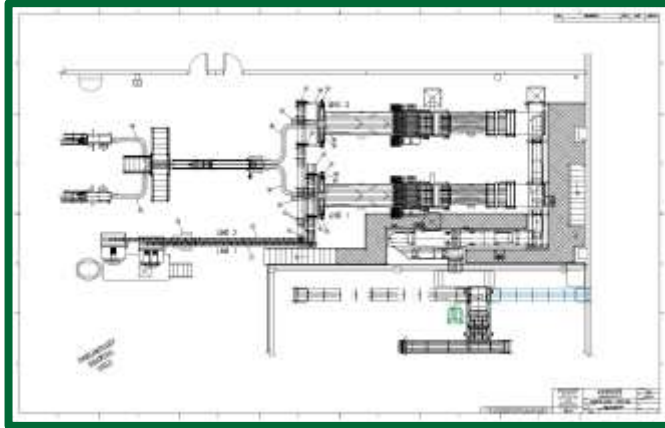


## Frozen Hash Brown Patty Line – Open Top Cartons:



Dominant food processor of potato products, specifically frozen hash brown patties for retail sales approached Emerald Automation to talk about a lower cost, simple system to load patties at 1,000 per minute. They had an idea of how to bring the frozen patties from the freezer into multiple single lane format through Fore Pack. Once they had the patties in line and separated, Fore Pack created stacks of 5 patties and released them to the Emerald Automation Wash Down Robotic Tray Loader. With the stacks of patties singulated, they are introduced to an up stacker where groups of 10 or 20 are created. The robot is staged at the up stacker and receives the load when achieved. The robot rotates and places the entire load into the carton at one time. Cartons are received from dual formers onto a dual laned flighted conveyor, each lane is diverted to each robot system and can be fed individually or simultaneously. The filled cartons are discharged and sent through a merge/divert system and wrapping. Along with designing the complete system and providing the robotic loaders, Emerald also provided a FIFO Accumulator providing 5 minutes capacity.

If you have an idea like this or something else and want to have help in making it a reality, give us a call and let's talk...509-783-1369.