

Emerging Railcar Manufacturer Tackles Potential Bottleneck in finishing Division



Fully automatic robotic blast booth

Background

Vertex is the first company to enter the Railcar Manufacturing sector in over 50 years. With such formidable stakes, they wanted to make sure to land a solid first step into the industry. One of the major potential bottlenecks they wanted to avoid in their production process was in their blasting and painting division.

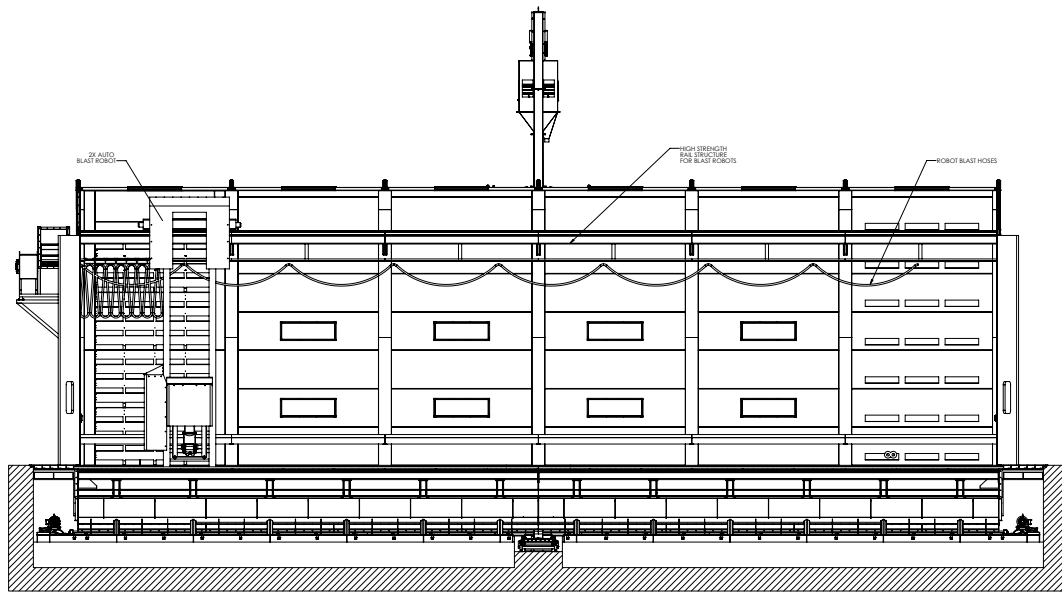
Objectives

Vertex Rail needed to make sure their new facility could churn out all types of railcars in high volumes. To drive productivity, they began looking to automate their blasting and painting process.

BlastOne became the obvious partners for the project due to their experience and unique partnership with automation companies.



Ultra-high speed AquaTec cure booth



Proposal Drawing of Blast Booth, featuring Blasting Robot

Solution

BlastOne's proposal to Vertex cand included the following components:

- Fully automatic blasting system using Blastman robotics for blasting rail car exteriors
- Manual blast booth for touch up and blasting
- car interiors
- Full downdraft paint booth
- High temperature cure booth with AquaTec

Results

Vertex Rail's entered into the railcar manufacturing market with enormous production capability with a fraction of typical finishing labor costs.



Full down draft pain booth with pneumatic manlifts



Vertex's newly acquired manufacturing plant before construction



BlastOne's proposal consisted of 4 in-line booths to maximize space and finishing efficiency, while still allowing room for future expansion.