



APPLICATION SNAPSHOT

Take the wheel on safety and productivity

Challenge

These heavy, awkwardly shaped parts had to be welded in position. But they were hard to flip and rotate, and they took time to fixture — often more time than it took to tack or weld them. Plus, there were right- and left-hand models/varieties to manage. Given these obstacles, how do you increase throughput, decrease fixturing time and make sure welders are working safely?

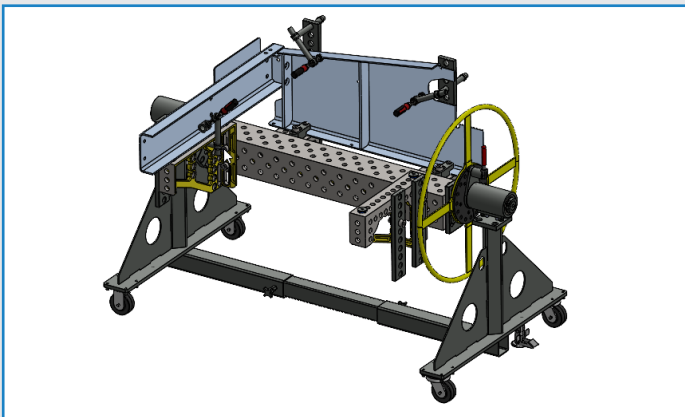
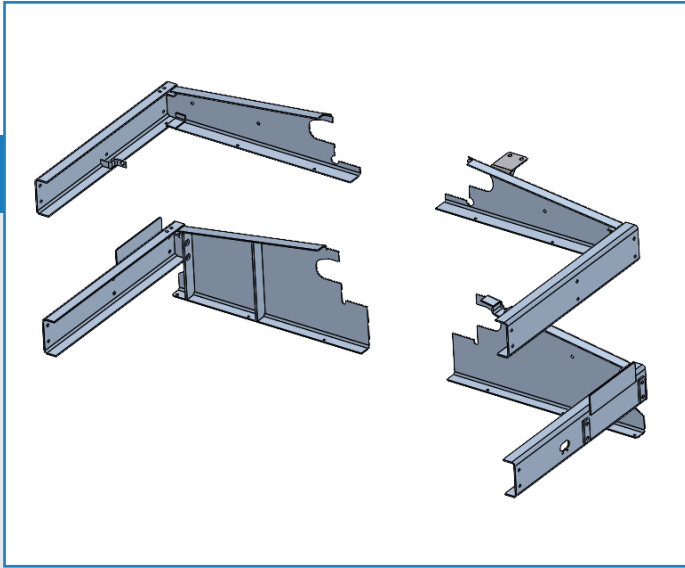
Solution

- Manual positioner with air brake, adjustable center of gravity (CG)
- Process refinement

By combining the RH and LH pieces into one fixture, the part can be tacked and welded in less time. By fixturing on a manual positioner, subs are easily rotated to accommodate any weld. The mobile unit can be moved so that subs are always welded near final assembly. An air brake keeps the unit steady, and the adjustable CG eliminates the need for counter weights.

Result

This solution eliminated crane handling and decreased both handling time as well as handling difficulties. In addition, it increased throughput by speeding the changeover between parts. Since the fixture allowed the part to be welded in a clamped state, the end products ended up dead square. The casters on the base of the positioner allowed it to be moved anywhere in the plant, reducing wasted time and space. ■



Got a challenge that needs to be solved? We've engineered solutions for hundreds of customers and thousands of applications. Show us your part and let's make it better.

For more information, call **800.535.0135**, email sales@bluco.com or visit bluco.com