



NEW YORK BLOWER LOAD-TURNING CRANES

Features and Benefits

- Load Turning
- Manufacturing speed
- Safety
- Reliability

Industry Group:

Hoist Manufacturers Institute (HMI)

Overview:

In 2017, New York Blower undertook a significant expansion, breaking ground on a 30,000-square-foot manufacturing facility in New Castle, Pennsylvania. The new assembly plant would be the birthplace of New York Blower's largest fans and components, some with diameters of 16 feet and weighing nearly 40 tons.

Prior to building its New Castle facility, McShane said New York Blower would flip and turn smaller fan housings either by using a single crane with one hoist, which left room for safety errors and potential damage to the crane, or by using two separate cranes, but only if those cranes could be moved close enough together to make the load turn possible. Both were make-do solutions that were far from efficient.

“Our (New Castle) building was pretty much built around cranes because they are such an integral part of the process..”

Jason McShane
New York Blower

With a new manufacturing facility planned that would be dedicated to the assembly of heavy industrial blowers and fans, New York Blower approached Hoosier Crane Service Company, its long-time crane service and installation partner, for help.

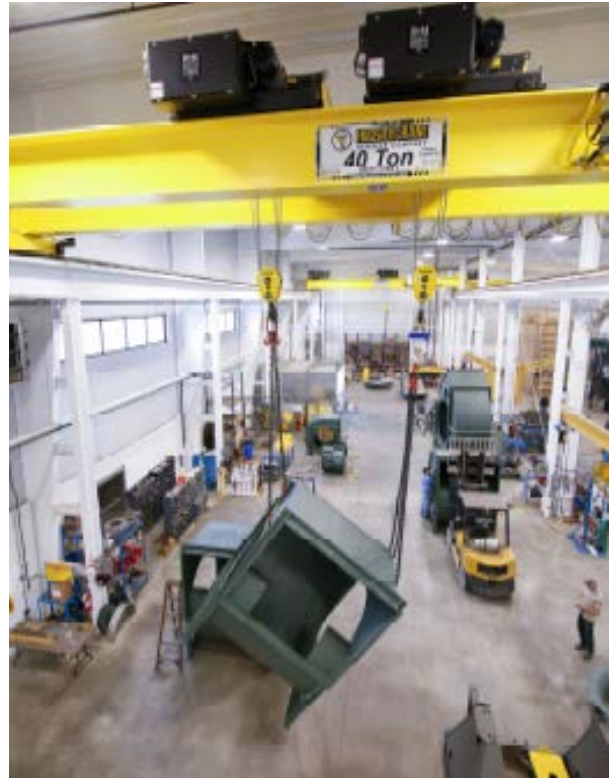
“We've worked with New York Blower to install and service chain hoists for its La Porte, Indiana, facility, but New Castle was a different kind of project,” said Hoosier Crane COO Todd Cook. “They were going to need to constantly move, flip and rotate the fan housings to do the welds, and we quickly realized that specialized, load-turning cranes were the answer.”

Although many people do it, Cook said using standard hoists that are not designed for load turning is extremely dangerous because of side pulling and dynamic shocks that occur when the load suddenly turns.

Cook said. “People try to get the job done and they don't realize that it's almost impossible to turn loads safely. Trying to do that with a standard crane you're likely to damage either the equipment or the load.” When it became clear that a load-turning crane was what New York Blower needed, Cook said Hoosier Crane turned to R&M Materials Handling.

With the four load-turning cranes installed by Hoosier Crane, McShane said New York Blower's experience with the additional features provided in the R&M load-turning components was everything they had hoped for, and more. Efficiency has reached levels that New York Blower did not expect, thanks to the quick and safe load turning. Fewer workers are required to turn the loads (one or two versus the four-to-six using the old methods), and each load turn is accomplished much faster.

“It's definitely saving us money,” McShane said. “We are 100 percent pleased with the final product.”



Load-turning crane at NYB New Castle facility



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