



Briggs & Stratton Corporation Triples Storage Capacity with Cubic Designs' Multi-Level Mezzanine - Ahead of Time, Below Budget.

Briggs & Stratton Corporation, headquartered in Milwaukee, Wisconsin, is the world's largest producer of gasoline engines for outdoor power equipment. Its wholly owned subsidiaries include North America's number one manufacturer of portable generators and pressure washers, and it is a leading designer, manufacturer and marketer of lawn and garden, turf care and other power equipment through its Simplicity®, Snapper®, Ferris®, Murray®, Branco® and Victa® brands. Briggs & Stratton products are designed, manufactured, marketed and serviced in over 100 countries on six continents.

To efficiently support Briggs & Stratton products with service parts, it is imperative that its worldwide distribution center efficiently operate and expedite order fulfillment throughout the 450,000 sq. ft. facility.

Objectives

- Increase light media storage capacity
- Expedite order fulfillment
- Streamline order picking, packaging and shipment



Multi-level Cubic Designs mezzanine adds three levels of storage space and 50,000 sq. ft.



Milwaukee, Wisconsin

Industry: Distribution | Application: Storage



Custom catwalk and ramp designed to connect new mezzanine to existing mezzanine in adjacent building.

Challenge

Outfit Building Addition with Storage Capacity to Accommodate Increased Inventory

To make room for additional service parts, the primary Briggs & Stratton Distribution Center added 150,000 sq. ft. on to its existing facility. The building addition needed a way to effectively store over 30,000 more SKUs and facilitate expedited order fulfillment.

Solution

Multi-Level Mezzanine System for Vertical Storage

Briggs & Stratton could build up to a 225,000 sq. ft. addition to facilitate the service parts and provide room for growth. With the help of Cubic Designs and Storage Systems Midwest, they were able to reduce that number to 150,000 sq. ft. by utilizing a mezzanine for vertical storage.

A two-level mezzanine which offered three levels of storage was custom designed to fit the 34' tall space. Mezzanine installation and construction of the addition occurred simultaneously which enabled the mezzanine's massive footplates and columns to be installed below the concrete floor for added structural support. Reducing obstructions by minimizing the amount of columns and concealing footplates was critical for operations. As an added feature, a catwalk and ramp were installed to connect the new mezzanine to existing mezzanine racking and storage in the adjacent building.



Custom mezzanine includes underground footplates and fewer columns to reduce obstructions.

Results

Reduced Construction Costs. Expedited Order Fulfillment.

Working together as team, Cubic Designs and Storage Systems Midwest put Briggs & Stratton on the fast track to greater storage. And, three months ahead of schedule and under budget, the addition was constructed and outfitted with the mezzanine. By providing the greatest amount of storage in the smallest footprint possible, the mezzanine reduced the square feet required for the addition. Greater savings were realized by minimizing construction costs and utilities expenditures which would have resulted from a larger addition.

Strategic positioning of the mezzanine also had a significant affect, as it accommodated level-to-level conveyors from the new addition to the existing building. This enabled Briggs & Stratton operations to flow uninterrupted, contributing to faster order fulfillment, seamless cycle counts and greater employee productivity.