

Bison Gear & Engineering Features:

Bison Gearmotors Drive Bleachers in NFL Stadium

BACKGROUND: It's no secret that football stadiums around the country are constantly growing in size, capacity and amenities. However, given the wide variety of events these stadiums can host, often times the designers seek out solutions that can be scaled up or down to fit the expected traffic. Recently, one bleacher equipment manufacturer approached Bison Gear and Engineering regarding an application for a telescopic bleacher system that could be sized accordingly in order to fit the demand of the event.

APPLICATION: The bleacher equipment manufacturer has provided numerous seating solutions throughout the country that range from smaller high schools all the way up to these large event stadiums. For this particular application, their engineering team was contacted to design a 300' section of bleachers for the stadium. The bleacher equipment manufacturer designed a custom recessed stage to allow for quick adjustment. If seating capacity required, the recessed stage could be folded out for an additional 35 rows of seating.

THE PROBLEM: The bleacher system uses gearmotors to drive the bleachers open or closed. This application called for 16 different sections of seating, requiring six gearmotors per section. When closed, certain gearmotors in the system would need to lock into place with a brake to hold the section in its recessed position.

SOLUTION: Bison Gear and Engineering product specialists were asked to come in and review the application and to recommend a solution. Bison came back with their **AC 762 series** offset parallel shaft gearmotor customized to fit the needs of their bleacher system. The product is robust, reliable and perfectly shaped to fit into the design footprint. Additionally, Bison outfitted the gearmotor with a custom brake to use within the system where and when the manufacturer needed it.



RESULTS: The bleacher equipment manufacturer is very pleased with the 762 series recommended by Bison and installed the product throughout the application. All gearmotors are still going strong and the stadium continues to see huge crowds packed into the seats.

