

## Bison Gear & Engineering Features:

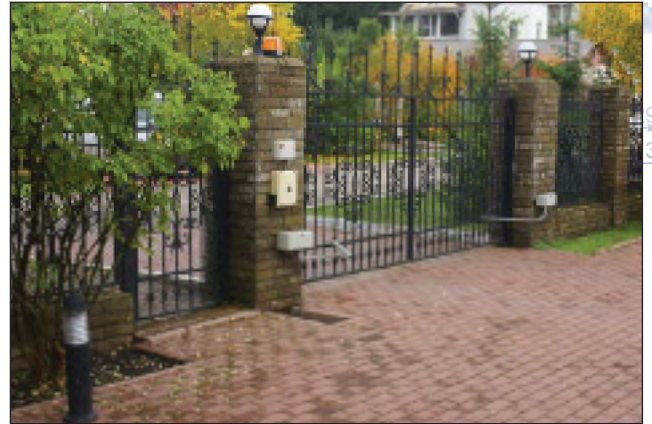
# Bison 562 DC Gearmotor a Proven Solution in Gate Operation

**BACKGROUND:** Automated outdoor gates are a growing necessity for ensuring security in both commercial and residential areas. Equipment in these applications encounter any and all types of weather conditions, requiring durable and long-lasting products that will endure these extreme environmental factors; such as high-to-low temperatures, rain, snow and ice. Bison Gear and Engineering has an established reputation for these applications, and recently provided a new solution for an automated outdoor gate manufacturer after their current competing gearmotor solution resulted in several field failures.

**PROBLEM:** The equipment manufacturer identified Bison due to their ability to respond to custom requests and provide solutions within a reasonable lead time at a competitive price. In addition to requiring a power transmission solution that could endure harsh environmental conditions, the equipment manufacturer also needed a gearmotor that could handle higher shock loads and still fit into the small envelope available within the equipment space.

**SOLUTION:** Bison's 562 offset parallel shaft PMDC gearmotor was a perfect fit within the manufacturer's design space. Custom designed by Bison with a larger output shaft to accommodate the higher torque requirements, the 562 series gearmotor also matched all of the performance ratings required for the application. The custom 562 series was also designed under Bison's Robusticity® design principles, meaning it is manufactured to thrive in tough environmental conditions and built for long-lasting performance.

**RESULTS:** The custom 562 unit remains a big hit for the equipment manufacturer, and has been applied in both commercial and residential gates of varying sizes!



**Industry Reference:**  
NAICS CODE: 333922  
SIC CODE: 35350101

