

Bison Gear & Engineering Features:

Bison Gearmotors are Proven Solutions in Ammunition Production Equipment

Bison Gear and Engineering has been designing problem-solving motors, gearmotors and reducers in a range of various applications for more than 50 years. In this case, an ammunition equipment manufacturer required a reliable and cost-effective gearmotor for their line of automated bullet loaders. Using two Bison PMDC parallel shaft gearmotors, the manufacturer can drive empty bullet casings into the assembly process.

BISON SOLUTION: 011Q127-0134 PMDC Gearmotor

1/15 HP	90V
12 RPM	Torque: 250 in-lbs



How the Application Works: The automated loader is one step in the ammunition production line. The Bison gearmotors operate the drive that feeds the empty bullet casings into a collator. Each empty casing is then moved into position for loading and capping to get the final product. For this process to run efficiently, the gearmotors need to be very reliable. Any performance issues will stall the process. Fortunately, Bison products are tested to thrive in such applications that feature shock loads, vibration and continuous duty operation. This particular application uses Bison PMDC gearmotors composed of precision-machined zinc in a totally enclosed, non-ventilated (TENV) design. The gearmotors are lubricated for life and designed to last for years.

