

## Bison Gear & Engineering Features:

# PowerSTAR® Improves Efficiency in Machine Shop

**Background:** Target Manufacturing Inc. is a solutions-oriented machining services provider that features multi-axis milling, turning and surface grinding equipment. For 40+ years, Target has distinguished itself by going above and beyond the ordinary machining services to meet the specific goals of its customers. Recently, Target installed Bison's new PowerSTAR® gearmotor on one of their chip conveyors.

**Application:** The right-angle 1/8 HP PowerSTAR® was installed on a chip conveyor, replacing a larger, 1/4 HP parallel shaft gearmotor. The chip conveyor is used on cutting equipment to reduce accumulation of metal chips and shavings by catching them along the conveyor and moving them into a disposal bin. Typically, right-angle gearmotors are the product of choice for this application as they conserve critical space on a machine-shop floor. Bison's PowerSTAR® fits the application perfectly, providing an economic, robust and highly efficient solution.

**Results:** Installing a lower-horsepower gearmotor on the chip conveyor resulted in the machine running more efficiently with less noise. Target reported that the PowerSTAR® continued to perform well and gave the following testimonial:



*"Since first installing the Bison PowerSTAR® gearmotor on one of our chip conveyors, the unit has run reliably with no performance or maintenance issues. The 1/8 HP PowerSTAR® replaced a larger, less efficient 1/4 HP parallel shaft unit – allowing the conveyor to run cooler and quieter."* – Jim Parquette, President of Target Manufacturing, Inc.