

AuburnGear

Driveline Systems



Custom Solutions for:

- Military/Defense
- Airport Ground Support
- Material Handling
- Petroleum Equipment
- Waste Collection
- Agricultural Equipment
- Construction
- Mining

For over 60 years Auburn Gear has been providing value-added driveline system solutions to its vast customer base worldwide. We offer various differential solutions, from torque-sensing limited slip technology to an electronically controlled traction enhancing differential, trade named ECTED™ Max. Auburn Gear can also provide open differentials as well as complete center section solutions. So, if you are looking to turn your torque and speed 90 degrees, Auburn Gear can provide an engineered solution to meet your needs. However, if you are looking for an in-line driveline solution, Auburn Gear has been a leading manufacturer of planetary gear drives for over 40 years as well. Our Power Wheel® planetary gear packages provide solutions to many OEMs. Most recently we have incorporated a number of dynamic brake systems within our drives to help meet customer application requirements. If you have a driveline issue, perhaps we can provide the required engineered solution. Please contact us today.



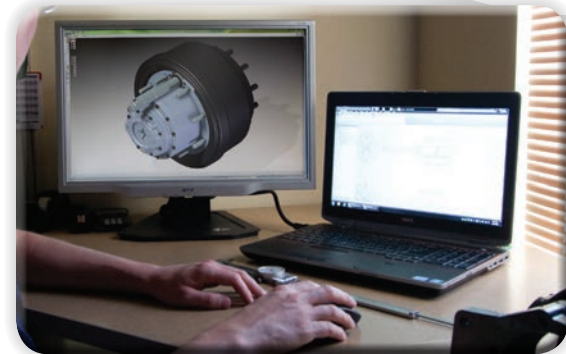
Air Drum Brakes



ECTED™ Max Differential



Hydraulic Disc & Drum Brakes



Engineering Capabilities

Technology is at the core of what we do on a daily basis. We model and design our products in latest 3D software so our customers can position our products in their designs. It also helps us internally. Models are used to perform Finite Element Analysis and help our manufacturing and assembly groups visualize the product requirements, features, and orientation. We are fully staffed with degreed engineers that are very technically apt theoretically, but they are also a very talented group that can transition very quickly to the practical nature of a hands-on approach in the test lab or in the field. Auburn Gear can simply provide the best of both worlds: technically advanced solutions with practical application implementation.



E-Trac Drive System

Auburn Gear has added another engineered solution to its' family of driveline products. The E-Trac™ product line provides customers with an electronic traction drive solution. The package can come complete with a planetary reduction, Brushless DC (BLDC) or AC motor, electric park brake, and complete with controls, if so desired. This E-Trac™ product family consists of three distinct product offerings. The product differentiation is defined by the output power from 2kW to about 8kW on the high end. Applicable vehicle GVWs range from 2,000 to 20,000 lbs. (approx. 1,000 to 9,000 kg.)

Fully Integrated Manufacturing Process

Auburn Gear manufacturing capabilities feature many state-of-the-art machining techniques. We have invested in our core processes over the last several years to provide superior quality and cost effective solutions to our customers. We employ 5-axis machining centers for spindle machining and various output shafts, Gleason Genesis™ CNC gear hobbing, and robotic load machining of gear blanks and planet gear grinding to name a few. Our heat treat process is in-house and we recently invested in more heat treat capacity. Auburn Gear has also created and patented a unique computer-aided bearing setting procedure that provides consistent and repeatable preload and/or end play, dependent on the application requirements. Leading bearing manufacturers advised us that our process is unmatched in the industries that we serve. We control our quality from the raw state to the finished assembly. We are a ISO9001-2008 certified organization and we utilize the latest in LEAN manufacturing techniques to eliminate waste in order to remain competitive in the global marketplace.

