



Electric Vehicle Manufacturers Search for Lightweight Parts

The electric vehicle market is exploding from the manufacture of trucks, cars, mobility carts, and bicycles. One element they have in common is searching for lightweight components to meet their weight requirements. Every pound a cart or scooter weighs requires so much energy to move it one mile.

ELECTRIC VEHICLE PARTS

An electric vehicle motor and drive train have fewer components, 95% fewer than the internal combustion engine-powered car, and will require far less maintenance. This means the parts made need to be lightweight and economical to fit electric vehicle designers and manufacturers' standards.

CUSTOM MOLDED NYLON PARTS

More and more nylon molded components are found under the hood of today's gasoline-powered cars. It will become even more critical with electric vehicles. Engineered molded components are 1/7th the weight of steel and 1/2 the weight of aluminum. The only consideration for using metal is material strength.



Drive components such as pulleys, thrust bearings, gear drives, and sprockets are available. Perfect for electric vehicles and more, these parts are exceptional for any application where weight is critical.

CONTACT TORQUE TRANSMISSION

Torque Transmission offers a wide variety of machinery facets that are economical and get the job done right. We offer pulleys, bearings, right-angle gearboxes, multi-ribbed pulleys, and more.

If you are interested in more information on molded nylon parts for your electric vehicles or other inventions, give us a call at 440-352-8995 or contact us online!