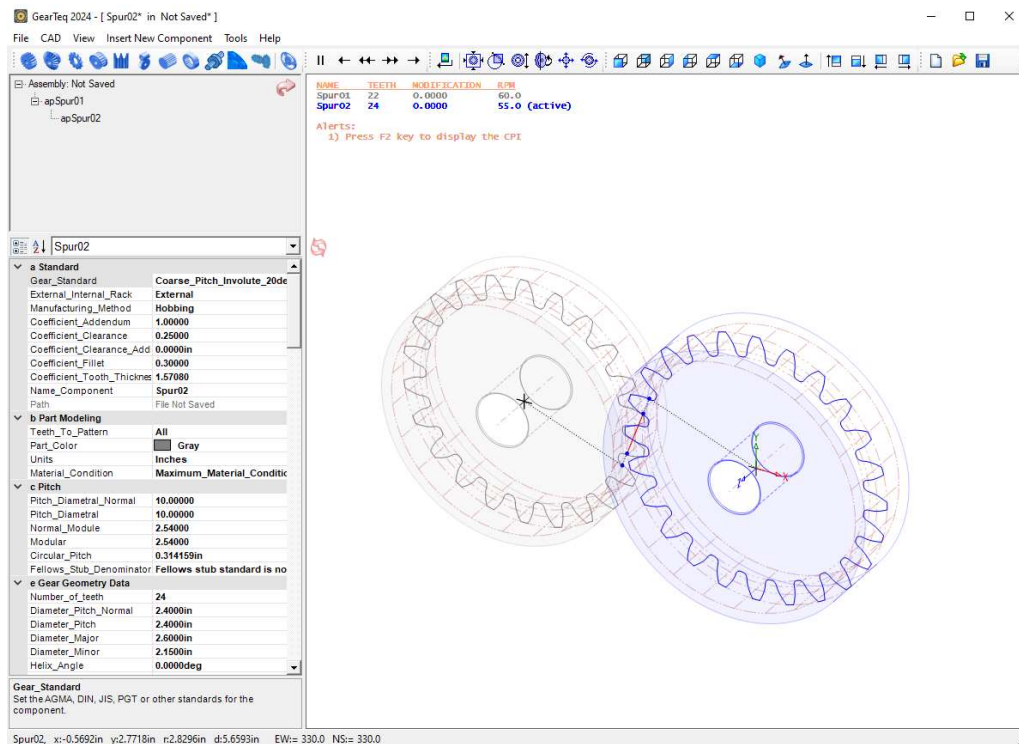


Data Sheet GearTeq



GearTeq™ provides the designer with advanced tools for creating solid models of drive components and assemblies. More than a library program, GearTeq™ creates each part model with its specific requirements, just as a designer would, but takes seconds rather than hours or days. Work with multiple parts and assemblies and more.



"GearTeq has been fundamental in improving our drive-train efficiency year over year, from 81% before you began supporting our team to a current efficiency of over 94%; a significant improvement for us, and critical in a stock engine racing series."

"Most of our refurbished gear products, spurs and helicals are re-engineered using GearTeq and it has been very accurate and productive."

"Thank you for a fantastic program [GearTeq], I fell over backwards when it did a complete planet gear assy in SolidWorks in half a minute."

GearTeq™ is a property driven gear design program. It is not the intent of GearTeq to replace your CAD system but to augment the CAD system with a user interface that will allow the gear designer to accurately visualize the components before they are modeled in the CAD system. With CAD like features, you can view components with drag, rotate and multiple zooms options. You can also drive the components for immediate animation!

A **GearTeq™** component can be a CAD part by itself. The component can be part of a set of components that make up a single CAD part. For example, a spur gear is a single component, but this spur gear may have an internal spline as a child mate that is defined as a bore. When created in CAD, the spur gear will be created, and the internal spine will be added features of the spur gear. This is also true for mating parts that are defined as joined.

GearTeq™ is available as an add-on for SOLIDWORKS, Autodesk Inventor and Solid Edge and can also be used standalone. Several different network license options are available for GearTeq™.

GearTeq™ is programmed in the USA using 100% renewable energy.

Free 10-day trials are available on our website.

GearTeq™ Features

- Work on multiple types of components in the same assembly
- See any changes to the geometry instantly on the display window
- Multiple gears created as a single CAD part
- Internal splines can be used as a bore on all components
- Modifying CAD parts created by GearTeq is very easy
- Automatically create assemblies in SolidWorks with proper mating
- Ten standard planetary gear systems are available with a few clicks
- High ratio cycloid set (a single eccentrically mounted planet and a fixed internal gear)
- On screen animations to help you visualize the working gears
- Alerts when GearTeq detects something in your design that may not be proper
- 3D wire frame with some surface shading
- Create XY outputs of the involute points in Excel and text files
- Create data sheets using Excel or text files
- A description of each parameter is in the lower section of the property grid
- Involute profile modification using linear or parabolic deviation for spur and helical gears
- Automatic balance of addendum modification for spur and helical gears
- Create additional tooth profiles that take into consideration the shrinkage of molded plastic gear teeth
- And much more!

ABOUT US

Camnetics, Inc. is dedicated to improving the way automation components are designed.



autodesk®
authorized developer

