

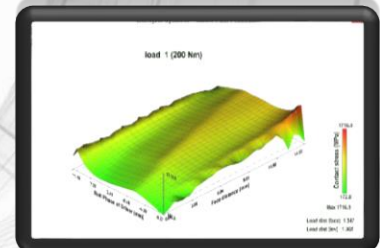
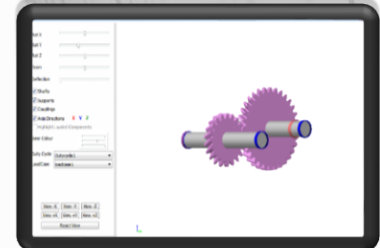
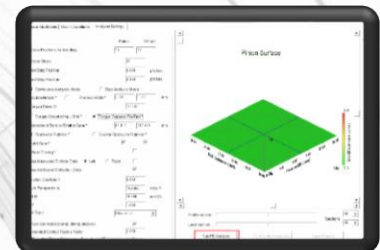
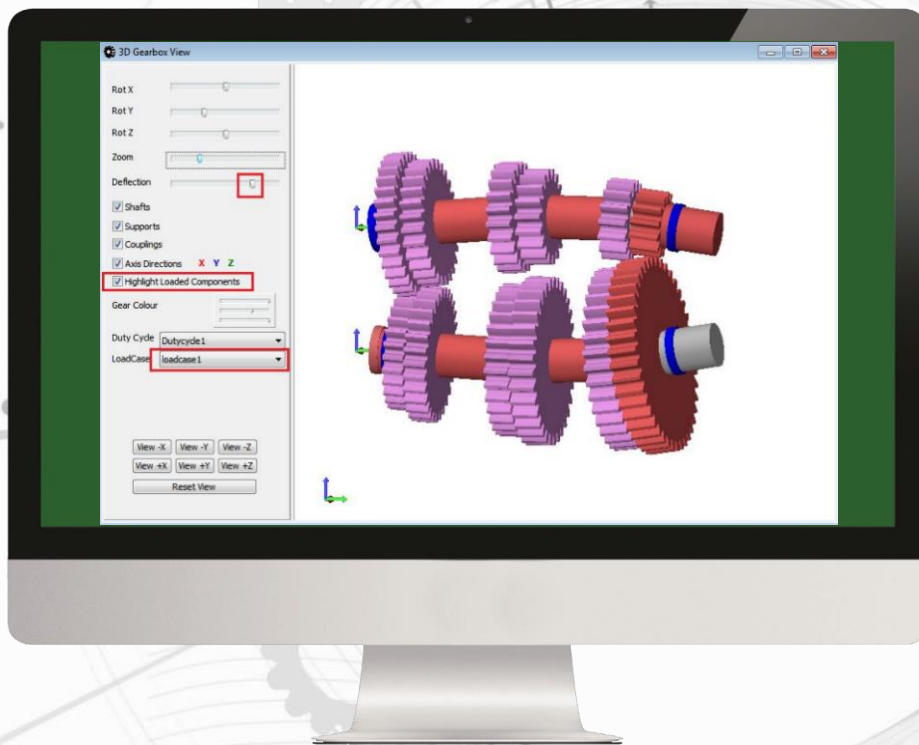
# Dontyne

## Systems

Gear Design | Analysis | Manufacture | Inspection

### Gearbox Designer

**Gearbox Concept Designer Module** – As part of Dontyne's **Gear Production Suite (GPS)**, this module is ideally suited for early stage gear box design using Dontyne's unique drag and drop tools to create a "live" connection simulation within minutes. Verify a design concept before spending hours on a detailed design!



### KEY FUNCTIONS & APPLICATION BENEFITS:

- Rapid Build in Minutes – Easy Drag and Drop Model Construction
- Speed, Torque, and Power Analysis – "Live" Test Connections
- 3D Model with Fully Coupled Nodes and Links to Housing
- Load Stress Analysis – Transferred Directly to Dontyne's Own Experimentally Validated (GATES) Model for Analysis
- Import Stiffness Matrix to Determine Deformation
- Utilize Tools Available Within GPS to Further Analyze Sizing and Rating of Gear Components

# Dontyne Systems

Gear Design | Analysis | Manufacture | Inspection

## About Us

Since 2007, Dontyne Systems has developed and globally licensed a modular suite of intuitively designed gear production software tools, with a distinct *emphasis on manufacture*. Our software allows end-to-end control of the gear manufacture process through an integrated approach; we are passionate about helping our customers from global brands to multi-tasking job shops make good parts. Our Quick Start software solutions are remarkably user-friendly and require very few data inputs to begin seeing results almost immediately. Our "transparent pricing model" means you can be assured the module you license is complete and ready to go for the stated task – no extensive menu of add-ons!

## What sets us apart?

Dontyne's key specialism is the conjugation between gear pairs from design – manufacture – inspection and back again to make corrections and "close-the-loop." We offer an intuitively developed rapid build Concept Gearbox modeler with "live" connections and dynamic auto-data correction functions to help keep you on track. Customers who already use other gearbox software packages come to Dontyne because of our strength and focus on gear contact, tooling integration and manufacture – after all, without good contact it really does not matter how good the box is!

## 7 REASONS TO CONSIDER DONTYNE SYSTEMS

- **Manufacturing Optimization** – focus on optimizing gear contact producing micron level results
- **Load Analysis Model (LAM)** – a validated, not theoretical model (we can supply the data!)
- **Gear Box System Model** – a rapid concept tool that is fully node coupled and integrated for accuracy; data dynamically/automatically updates when changes are made (knock-on-effect).
- **Transparent Pricing** – Dontyne offers about 20 modules that are "complete" and task specific
- **User Experience: Simplicity of Use** – At nearly every online demo, users comment on the time saving intuitive screen designs that require very few data inputs to quickly see results and get dynamically updated reports/graphics – simple enough for new engineers yet sophisticated enough for the seasoned "gear-gurus".
- **Service & Support** – Dontyne has established a reputation for being very responsive to new and prospective users, and for being easy to work with. Mathematics may rarely change but we value the opportunities to help make the user experience increasingly easier
- **"Generic" Bevel Gear Modules** – Dontyne is (to our knowledge) unique in offering modules that enable any manufacturer with a multi axis CNC machine to design, rate, analyze and successfully manufacture bevel gear sets.

### WORLD HEADQUARTERS

Rotterdam House  
116 Quayside  
Newcastle Upon Tyne  
England  
NE1 3DY

[info@dontynesystems.com](mailto:info@dontynesystems.com)  
+44 191 206 4021

**Rich Easley**  
North America  
Business Manager

[reasley@dontynesystems.com](mailto:reasley@dontynesystems.com)  
(513) 449-4296



[www.dontynesystems.com](http://www.dontynesystems.com)