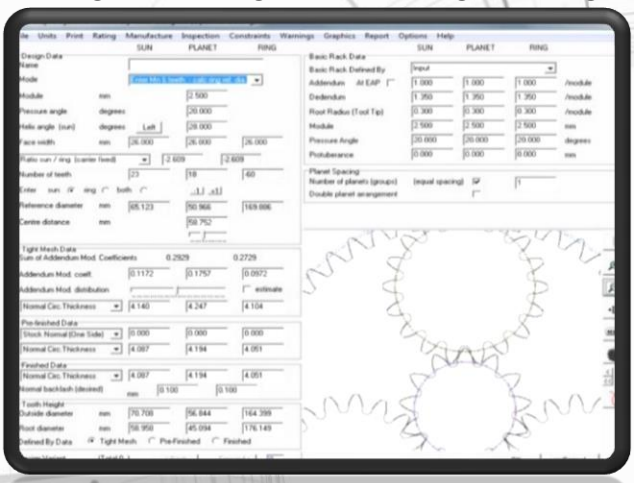
Dontyne Systems

Gear Design | Analysis | Manufacture | Inspection

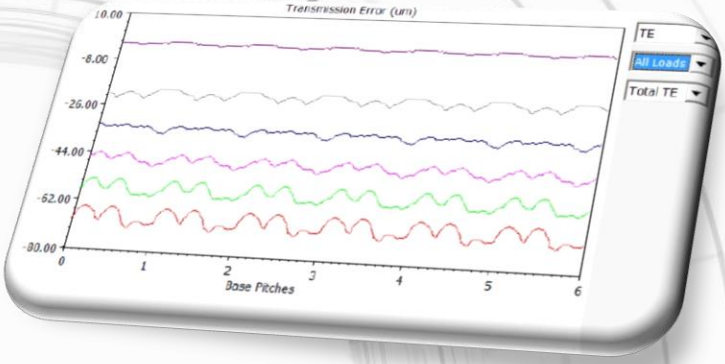
PLANETARY GEARS

Gear Phasing – Load Sharing – Transmission Error

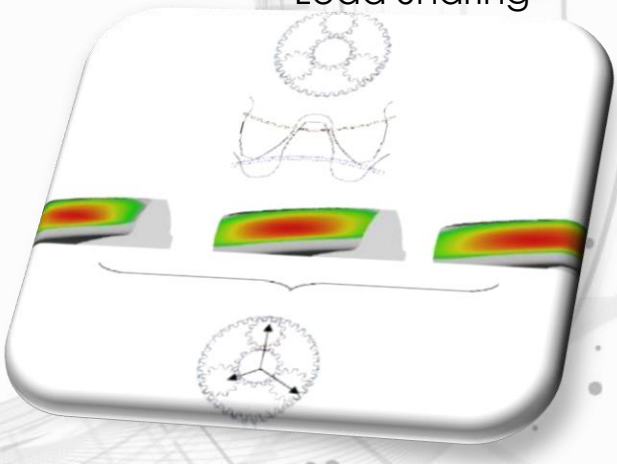
Design & Rating, Considering Phasing

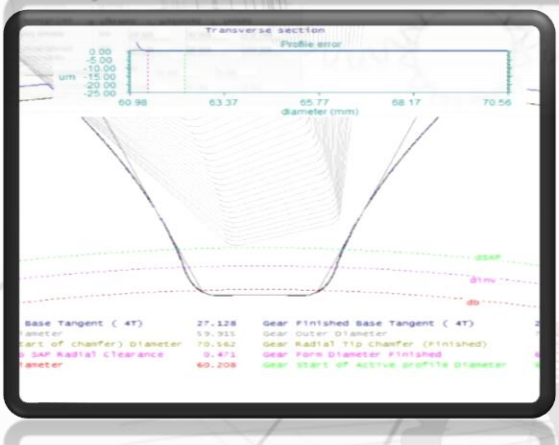


Transmission Error (T.E.)



Load Sharing





Hob/Grind Roll-Out Simulation

KEY FUNCTIONS

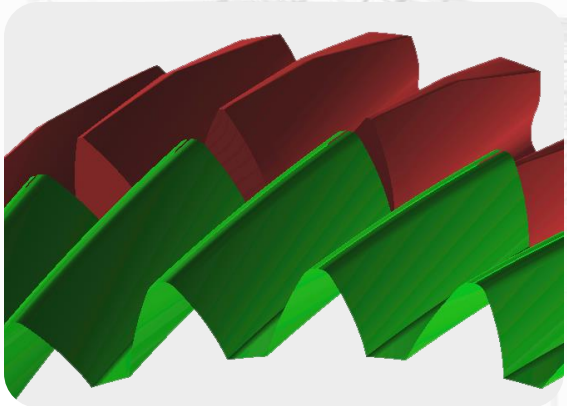
- **Quick Start Design Functions – Rapid Results, Minimum Data Inputs**
- **Gear Load Sharing – Automatically Calculates Phasing between ALL Meshes**
- **Loaded Contact Tooth Analysis (LCTA) and Transmission Error (T.E.)**
- **Real Time Custom Reports – 2D & 3D**

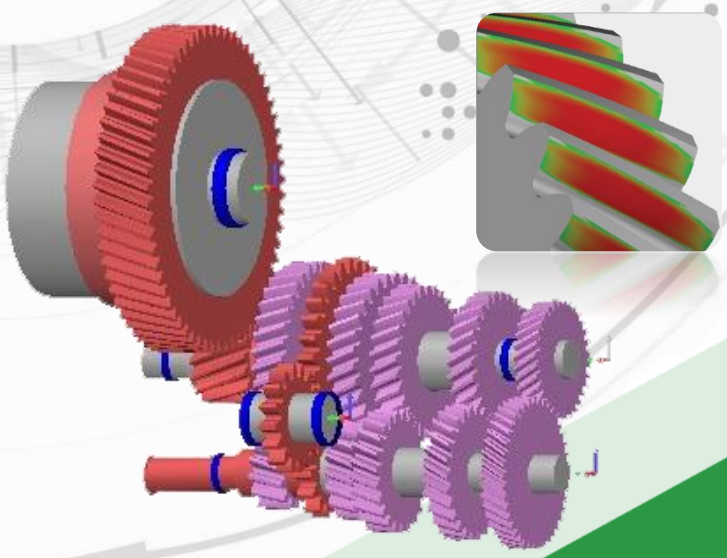
Dontyne Systems

Gear Design | Analysis | Manufacture | Inspection

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 only offers around 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 is establishing 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 tools to design, rate, analyze and successfully manufacture bevel gear sets.





WORLD HEADQUARTERS
Rotterdam House
116 Quayside
Newcastle Upon Tyne
NE1 3DY
England

info@dontynesystems.com
+44 191 206 4021

Rich Easley
North America
Business Manager

reasley@dontynesystems.com
(513) 449-4296

www.dontynesystems.com