

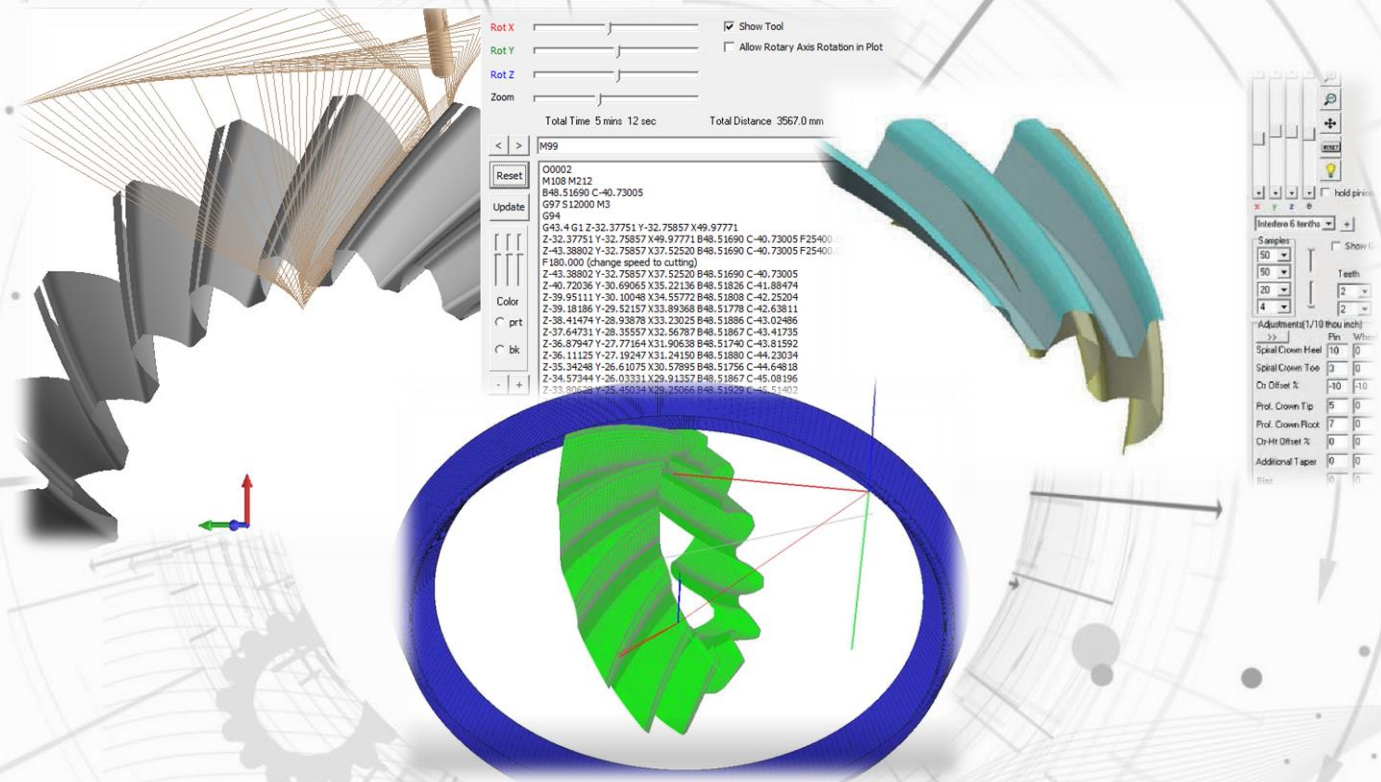
Dontyne

Systems

Gear Design | Analysis | Manufacture | Inspection

Bevel Gears

"Generic Straight / Spiral Bevels



Key Functions | Application Benefits

- Quick Start Design Functions – Rapid Results, Minimum Data Inputs
- Multi-Axis CNC Compatible – Manufacture Bevel Gears Using Software to Design and Simulate “Generic” Straight and Spiral Bevels
- Eliminate Re-Tooling Costs – Utilize Flexible CNC Machine Tools
- Loaded Tooth Contact Analysis (LTCA) – Accurately Achieve Desired Marking Pattern
- Links to Inspection Equipment and Tool Corrections Using Optimal Module
- Custom Development – Retain and Secure Client IP in a Modern CAD Environment
- Innovative Design & Analysis Techniques Utilizing Modern Manufacturing Capabilities e.g. “Non-Involute” Convoloid® and “Generic Bevel Forms

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Bevel Gears Module – This advanced series of design and load analysis modules enable straight or spiral bevel forms to be accurately simulated and manufactured on any 5-axis CNC machine tool – part of **Dontyne's Gear Production Suite (GPS)**

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.



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