

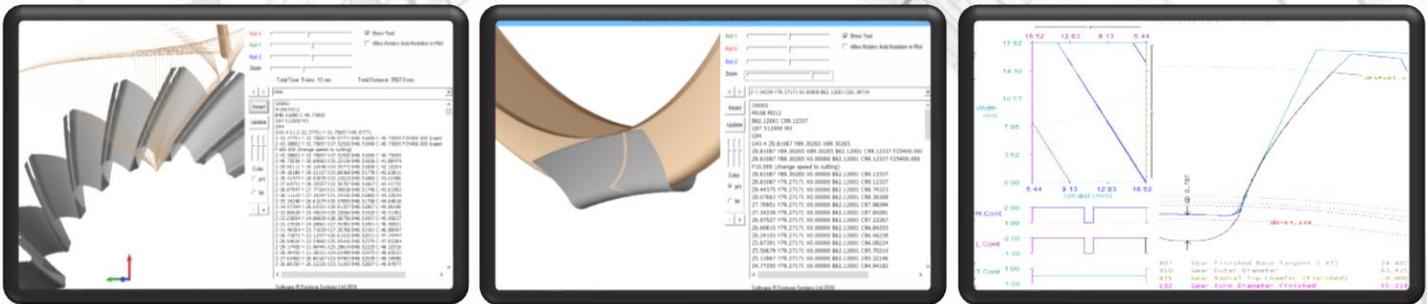
Dontyne Systems

Gear Design | Analysis | Manufacture | Inspection

GEAR MANUFACTURE

MACHINE CENTER MANUFACTURE MODULES – Optimize new or existing designs with powerful hob generation and roll-out simulation graphics, then Export DXF manufactured profile to the machine tool. Utilizing an existing tool in the custom database can drastically reduce cost/lead time; part of Dontyne's **Gear Production Suite (GPS)**.

Simulate Manufacture for Accurate Production



Export G-Code for CNC, Force Balancing in Contact Zone and 3D Profile Grind

KEY FUNCTIONS & APPLICATION BENEFITS:

- Process Simulations Available – Hob, Grind, Dress, Shave, Wire, Erosion, Injection Mold, Drop Forge
- Quick Start Design functions – Rapid Results
- Create New Tools in Custom Database
- Utilize Existing Tools – Find a “best fit” to cut cost/lead time
- Check Break-out Point and Chamfering for Nominal and Limiting Tolerance Conditions
- Balance Contact Forces – Optimize Cutting
- Custom Reporting with Logo
- Export Gear and Tool Forms – Several File Formats

30-DAY SOFTWARE TRIAL | CUSTOMIZED 60 MINUTE ONLINE DEMO

Dontyne

Systems

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 contact area between gear pairs from design – manufacture – inspection and back again to make corrections and "close-the-loop." We do offer a very intuitively developed rapid build Concept Gearbox modeler with "live" connections and dynamic auto-data correction functions to help keep you on track, but this is not our primary area of focus. 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 doesn't matter how good the box is right?

7 REASONS TO CONSIDER DONTYNE SYSTEMS

1. Manufacturing Optimization - Simulations of hobbing, shaping, shaving, continuous grinding (with dressing), profile grinding and CNC machining permit automatic tool design and checking of accurate machining for nominal case and max/min cases for all tolerance conditions.

NEW: FE Analysis of any cylindrical tooth form including asymmetric, non-involute, and with grinding notch.

2. Load Analysis Model (LAM) – An experimentally validated FE model (see website for details).

3. Gear Box System Model – Combines a rapid build 2D concept tool with live check of power flow to a fully coupled 3D deflection model and LTCA dynamically/automatically updates when changes are made.

4. Transparent Pricing – Dontyne only offers around 20 modules that are "complete" and task specific.

5. 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".

6. 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.

7. "Generic" Bevel Gear Modules – Dontyne allows users to fully benefit from modern technology in gear production by connecting the design analysis and optimization directly to machining with multi axis CNC machine tools to produce bevel gear sets previously requiring expensive dedicated equipment.

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