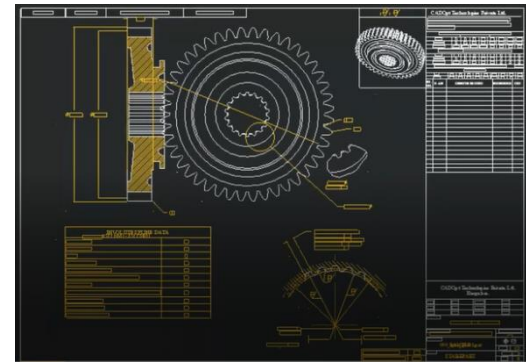




Gear Design Automation Tool

Gear design Streamlining the complete Gear Product Development Process (PDP). Develop an Automation for Error Free Design, Capturing Domain Knowledge, Centralized Access, Data Security, Reduce Design Cycle Time, Reusing Tools, Enhance User Friendliness. Gear design automation collects the basic information of the component and other required parameters in various forms to automatically produce complete part and drawing for Gear.



Current Scenario (Without Application):

User need to Manually:

- User needs actual practice to create the Gear part & drawing and Gear detail.
- User need to create a separate document for each variant of Gear.

Negative consequences:

- Human error will occur due to manual entry for Gear detail.
- Mismatching of Teeth position Gear parameter error detail is avoided.

Positive Business Outcome:

- **ROI** – quick Return on Investment (ROI) considering the significant time savings and reduced ECN's.
 - **Time to market** – Few clicks solution to get entire Gear Setup.
- **Enhanced User Productivity** - Eliminate Designer's/ Creo User's non-productive (manual settings) activities by Saving up to 80-90% of frame design time.
- **Standardization** – Standardization of Process as per company standards.
- **Quality output:**
 - **User Friendly Interface** - Self-Guided Screens, Representative Images.
 - **Error Free** – Eliminates errors (like mismatching addendum, dedendum value, Gear parameter wrong detail of module, etc.).
 - **Status monitoring** - To Start, In Progress, Completed.



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Gear Design Automation Tool

manufacturing companies by using Creo (Pro/ENGINEER)

How it adds value:

- Works with PTC Creo (Pro/ ENGINEER) Basic Licenses.
- Few-click solution that automatically get the all the parts and entire Gear based on variant.
- Customized all parts drawing generate automatically, and views update based on Gear standard and types.
- All the dimensions and notes show and hide based on Gear type.
- Works in conjunction with PTC Windchill/ PDM-Link or Intralinks.

List of satisfied users:

- TAFE. (Chennai)

For more info contact CADOpt Technologies Private Limited at: info@CADOpt.com or visit our website at www.CADOpt.com