BENEFIT HIGHLIGHTS

- **GURUCAD CATIA V5 USER DEFINED FEATURE FOR TRANSMISSIONS DESIGN** improves and standardizes the design process of transmissions components in CATIA V5.

- Exact detailing of spur and helical gears in CATIA V5, teeth displacement is taken in consideration resulting in realistic gears.

- Time reduction of up to 70% in creation of spur/helical gears via CATIA V5 User Defined Features compared with traditional/manual approach.

**GURUCAD CATIA V5 USER DEFINED FEATURE FOR TRANSMISSIONS DESIGN**

Based on software: CATIA V5

Operating System: Windows, Unix and all other OS compatible with CATIA V5

Price:  
Spur Gear 400,- €/UDF
Helical Gear 400,- €/UDF
Other components User Defined Feature price will be based on customer specification.

Business Challenges

Design in CATIA V5 of transmissions components is a time consuming task, especially designing the spur and helical gears composing gear-box transmissions. Ability to have exact gears modeled helps in better detecting the contact point position between gears and checking the gears parameters coming from manual/automatic calculation through standard formulas.

Solution

GURUCAD CATIA V5 USER DEFINED FEATURE FOR TRANSMISSIONS DESIGN suite of products provides the necessary tools for transmissions designer to quickly and accurately design spur and helical gears.

The time for creation of a new customized gear is compacted. The user inputs few parameters and then chooses the place where the new gear will be instantiated, add special features required for this new gear and the new design is created. The resulting gear feature will be a “black-box” for user, no access to internal geometry only to exposed parameters.

GURUCAD is specialized in creation of CATIA V5 User Defined Features for automotive/machine industry. Based on your requirements/specification we can provide you with an offer for any type of transmission component CATIA V5 User Defined Feature (UDF).

Result

Standardized design of transmission components in CATIA V5. Easy reuse and modification of existing design because of standardization of features used to build the transmission components (gear basic geometry is created by CATIA V5 UDF, will result only one feature in tree with exposed parameters). A time reduction of up to 70% can be reached by using this customized CATIA V5 User Defined Features.

CATIA V5 Releases

The product is running on CATIA V5 starting with Release R16.