NX Units Conversion Program

Introduction

NX_convert_units is a windows based stand alone program which acts as a front end for the command line program ug_convert_part.exe. The program is used to convert the base units-of-measure of NX part files from either Millimeters to Inches or Inches to Millimeters. The program can be run standalone as long as you have at least one valid copy of NX installed on your system and that the system level environment variable 'UGII_ROOT_DIR=' has been set properly (note that the converted parts will be as if they had been saved in the version of NX which this variable is pointing to).

Dialog Options

The dialog is divided into eight groups. These groups are:

All Parts in Directory Group

This dialog group is for selecting a directory from which all part files are to be converted. The toggle is selected to convert parts in sub directories. The Remove Directory Entry button is used to remove the selected directory from the text field.

📂 Opens a Folder Browser dialog to select a directory.

Source Files Selection Group

This dialog group is for selecting files for conversion. The full file path is used, therefore, users may select files from multiple directories. The Remove Entries push button is used to remove the selected file(s) from the list window.

📂 Opens a Open File dialog which is used to select the file(s).

Destination Directory Group

This dialog group is for selecting a destination directory for the converted parts. The destination directory is used for either/both source file selection and all parts in the directory selection.

 Opens a file open dialog which is used to select the directory for saving the converted files.

Conversion Direction Group

The radio buttons determine the conversion direction.

UDF Group
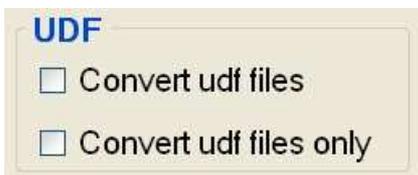
The toggle buttons are used to determine if UDF should be converted or if UDF only be converted.

Expressions Group

This toggle button when selected exports expressions of the converted part to a file of the same name (.exp).

Assembly Group
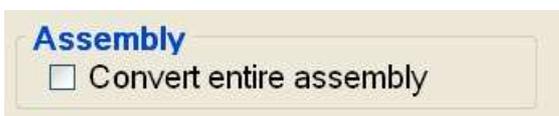
This toggle button when selected can export a complete assembly. It is only necessary to select the root assembly file in the Source File Selection group.