

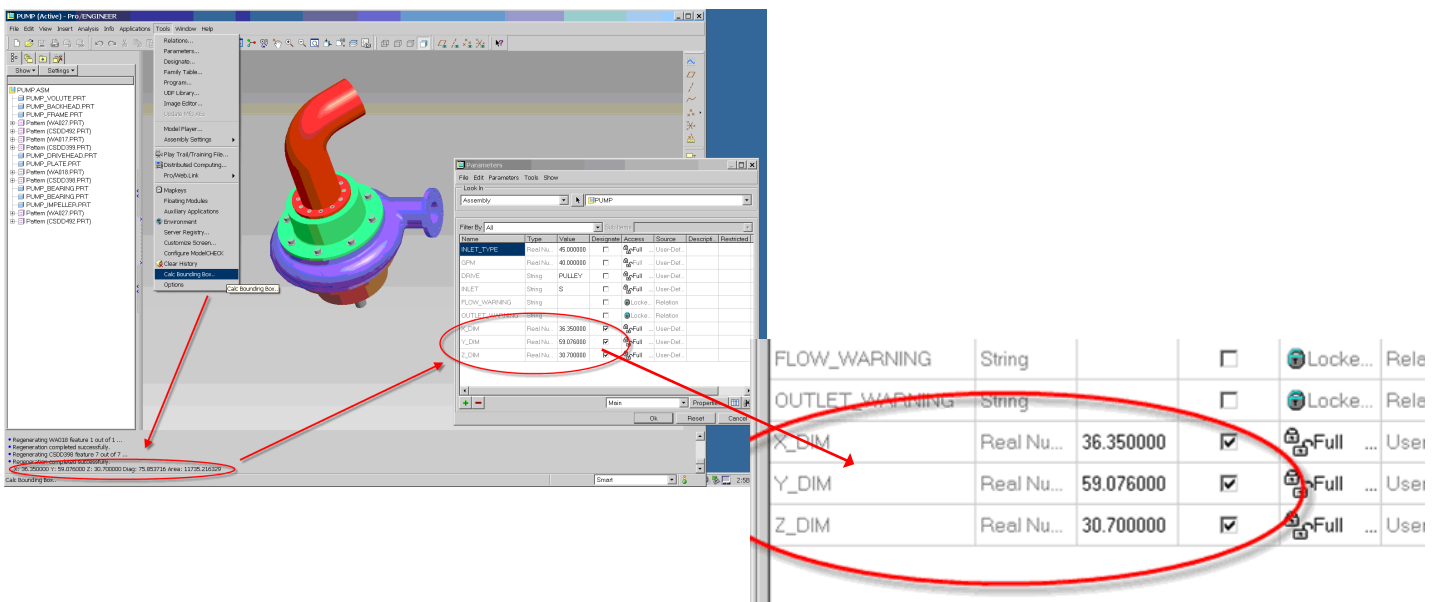
Automatically create and populate parameters with bounding box dimensions.

Business Problem

Many organizations must manually calculate rough cut/bounding box dimensions for their Pro/ENGINEER parts or assemblies. This manual operation leaves room for errors that can cause costly inaccuracies if the wrong size steel is ordered.

Solution

Fishbowl Solutions' Bounding Box Application automatically creates bounding box parameters and populates them with the dimensions from a Pro/ENGINEER part and assembly, so they are automatically shown on the drawing or within Windchill.



Name	Type	Value	Dimension	Access	Source	Default	Parameter
INLET_TYPE	Real Nu...	40.000000	F	Full	User Def.		
UPIN	String		F	Full	User Def.		
DRIVE	String		F	Full	User Def.		
PULLEY	String		F	Full	User Def.		
INLET	String		F	Full	User Def.		
FLOW_WARNING	String		F	Full	Hidden		
OUTLET_WARNING	String		F	Full	Hidden		
X_DIM	Real Nu...	36.350000	F	Full	User Def.	<input checked="" type="checkbox"/>	Full ... User
Y_DIM	Real Nu...	59.076000	F	Full	User Def.	<input checked="" type="checkbox"/>	Full ... User
Z_DIM	Real Nu...	30.700000	F	Full	User Def.	<input checked="" type="checkbox"/>	Full ... User

Current Features

- Calculates the Bounding Box Dimensions for the current part/asm, with respect to the Default Coordinate System.
- Creates a parameter for each dimension, if the parameters already exist, the application will modify the values to those just calculated.
- Assigns parameters as follows: X_Dim, Y_Dim, and Z_Dim.
- Displays values for the diagonal dimension and surface area.

Supported Environments

- Pro/ENGINEER versions of Wildfire and above.
- Windows Operating Systems