



3D SymbolDesigner

3D SymbolDesigner simplifies and reduces the man hours needed to create parametric symbols for Smart 3D by up to 80%.

This is achieved by providing an easy to use, graphical user interface for the creation and documentation of parametric symbols.

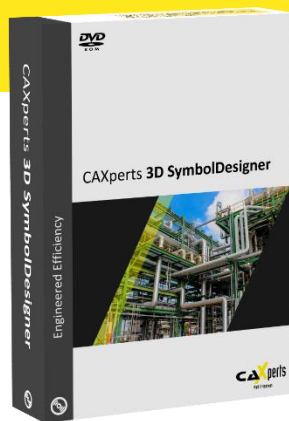
FOR USE WITH

Intergraph

- Smart™ 3D

Microsoft

- Excel®



CAXperts 3D SymbolDesigner

FAST AND EASY SYMBOL CREATION

3D SymbolDesigner provides a “simple to use” interface that supports rapid development of parametric symbols for equipment, piping, HVAC and support parts.

The 3D symbols are built using standard graphic primitive shapes with the user being able to see the symbol as it begins to take shape.

Key dimensions can be easily parameterised by using simple mathematical expressions and the parameters can be linked to Smart 3D custom interface attributes.

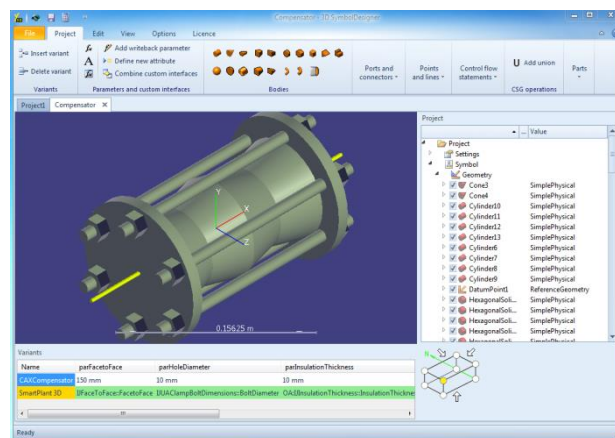
The 3D symbol definition is stored within an Excel file.

EXPORT OF VISUAL BASIC CODE AND BULKLOAD FILES

One of the key deliverables from 3D SymbolDesigner is the automatic production of the Visual Basic project (VB6, VB.Net) and Excel bulkload sheets to enable the newly created symbol to be loaded directly into the Smart 3D catalogue. This means that for most symbols, no knowledge of Visual Basic is required to generate the symbols for Smart 3D.

SYMBOL DOCUMENTATION

3D SymbolDesigner automatically publishes a datasheet for each symbol when the symbols are produced.



BENEFITS

- **Simple to use**
Easy placement of objects in a graphical user interface (WYSIWYG)
Symbols can be created without the need for Visual Basic programming knowledge
- **Time/cost savings**
80 % reduction in man-hours for the creation of symbols when compared against manual coding through automatic creation of Visual Basic source code, Excel bulkload sheets and symbol documentation

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