CAXperts

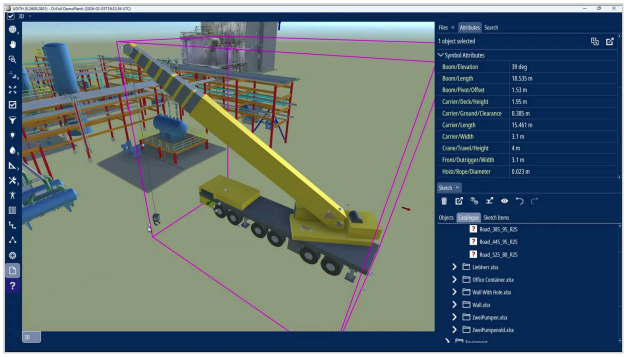
3D Symbol Designer

SYMBOL DESIGN MADE EASY

Parametric symbols for Forte 3D

Build, parameterise and document symbols — no programming skills needed.

3D SymbolDesigner lets you create parametric symbols for Forte 3D (formerly Smart 3D) up to 10x faster – and the symbols can be used in **UDiTH** Sketching as well. A graphical interface supports rapid development of symbols for equipment, piping and support parts: shapes are assembled from standard graphic primitives and appear as the symbol takes form. Key dimensions are parameterised with simple mathematical expressions and can be linked to custom interface attributes — the symbol definition itself is stored in an Excel file.



up to 10x faster symbol creation

0 lines of code written by hand

3 symbol families: equipment, piping, supports

THREE STEPS, ON SCREEN

01 Build the shape
Assemble the symbol from standard graphic primitives — visible on screen as it grows.

02 Parameterise the dimensions
Drive key dimensions with simple mathematical expressions and bind them to Forte 3D custom interface attributes.

03 Publish to Forte 3D
The symbol project in C# or Visual Basic .NET, the bulkload sheet templates and a datasheet per symbol are generated automatically – without a line of written code.

NEW: AI MODE

Start from a datasheet, a drawing or simply an image – for example a photo with reference measurements. The Symbol assistant turns it into a parametric draft, which 3D SymbolDesigner validates before you open it in the editor to check, refine and export it as usual. Connect a model service of your choice, local or remote, or your own AI client via MCP.

Included at no extra cost
with a subscription or a 3-year maintenance commitment

WYSIWYG placement · **Streaming technology** · **No programming skills needed**

FITS YOUR STACK

Forte 3D (formerly Smart 3D)
Target platform – symbols also work in UDiTH

Microsoft Excel
Holds the symbol definition and bulkload sheets

C# or VB.NET
Generated projects, ready to compile

Book a personal demo

info@caxperts.com · caxperts.com/3dsd

CAXperts GmbH · Carl-Zeiss-Ring 4 · 85737 Ismaning · Germany
+49 (89) 969772-0