

SmartWeld 3D for Creo (Pro/ENGINEER)

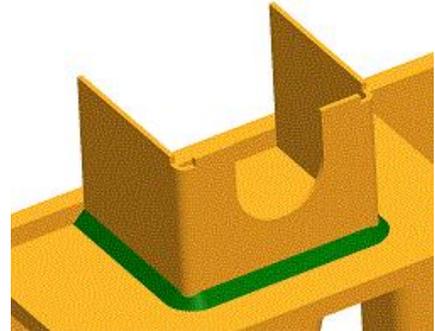
Quickly Populate Assemblies with 3D Weld Geometric Data

What is SmartWeld 3D?

SmartWeld 3D is a solution created for Creo that allows users to quickly and efficiently add 3D weld information to their designs by capturing and implementing company design and manufacturing standards.

Key Features

- Quickly build weld trajectories on the fly using existing geometry.
- Define the weld type, size, style, etc.
- Any weld type can be made available including fillet, groove and spot welds.
- Continuous, intermittent, dual side, and non-standard weld types are supported.
- Information can be output in a variety of ways to suit varying end users and manufacturing processes.
- Automatically incorporates 2D welding symbols and also generates hard data for robotic welding.



Exact 3D representation of weld geometry is easily created.



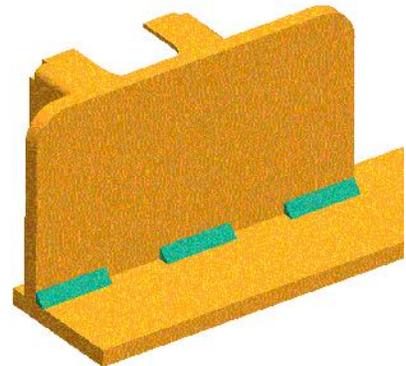
Easy to use GUI for weld definition.

How It Works

- User defines the start and end of the weld. Design assumptions are avoided.
- User is presented with a variety of inputs and guides based on existing model geometry.
- User makes selections, and all necessary weld geometry is created on the fly by SmartWeld.
- SmartWeld leads user by hand to generate 3D weld data.
- Weld symbols are created on the fly, and data is fully parametric.
- Generates weld parts where weld geometry is stored.

Key Benefits

- Rapid customization to meet the needs of your company.
- Eliminate guess work and design errors when designing welds.
- 2D weld symbols provide accurate visual cues and exact measurement data for manufacturing.
- 3D geometry provides accurate volume and weight calculations.
- Produces NC paths for robotic welding directly from existing geometry.
- Costing can include more accurate variables.



This 3D representation demonstrates intermittent weld.

For more info contact SIGMAXIM, Inc. at: info@sigmaxim.com or toll free at 877-SIGMAXIM, or visit us on the web at www.sigmaxim.com.



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