

## ZW3D for Sheet Metal

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### Overview

ZW3D delivers a full set of specialized sheet metal functions, covering various flange-creating and modifying tools, effective forming tools, powerful verification tools, 2D sheet and cost estimating tools etc., helping users to accelerate product development process, increase productivity and save manufacturing cost.

### Top 5 Reasons to Choose ZW3D



#### 1 Easy to Learn & Use

The build-in sheet metal module and intuitive user interface can effectively shorten learning curve.



#### 2 Specialized Sheet Metal Tools

With full-featured sheet metal functionalities, ZW3D can elevate the design efficiency of sheet metal parts or assemblies greatly, compared with other common purpose tools.

#### 3 Diverse Verification Functions

ZW3D delivers diverse verification functions to help users simulate forming result in the early design phase, saving manufacturing cost.

#### 4 Quick Estimation of Manufacturing Cost

ZW3D provides easy and effective tools for users to unfold a complex shape, and get a report containing information about material, weight, etc. to assist in estimating manufacturing cost only in one minute.



#### 5 Seamless Design Cooperation

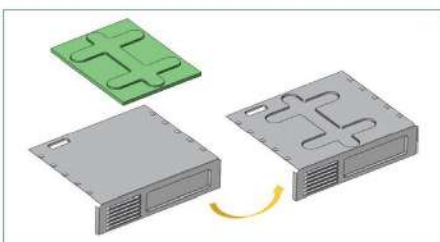
With powerful translator, capability of converting models to sheet metal part and flexible modification functions, ZW3D provides a seamlessly collaborative design platform.

# How can ZW3D Help



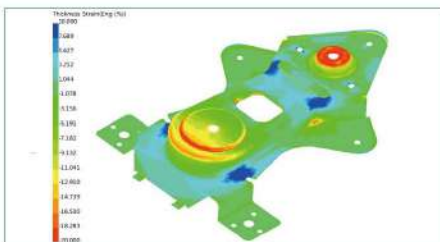
## 1. Specialized Sheet Metal Tools

- Easily create all kinds of flange, such as Basic flange, Full/Partial flange, Swept flange and so on.
- Quickly modify the flange with Fold by line, Close corner, Change bend angle and radius.



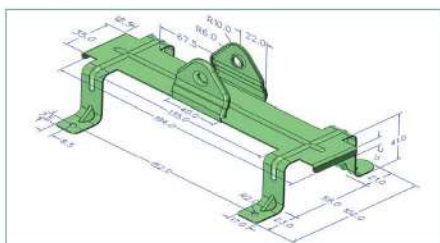
## 2. Efficient Forming Tools

- Efficiently generate complicated forming shape with dimple, louver, pouch functions.
- Easily build your own forming shape library to improve design efficiency.



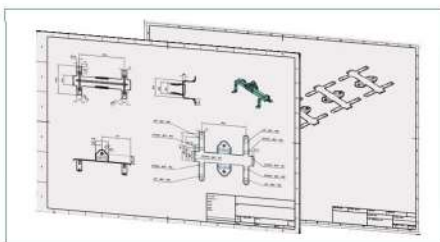
## 3. Seamless Collaboration with Non-native Files

- Swiftly convert ZW3D models or imported models into sheet metal with generation of corresponding attributes like thickness, K-factor and Bend value.
- Quickly modify native or imported geometries without history regeneration.



## 4. Powerful Verification

- Smartly simulate the forming result with thickness, thickness strain, safe zone in the early design phase.
- Easily unfold a complicated part step by step with linear unfold and advanced unfold to analyze product manufacturing process.



## 5. Varied Manufacturing Information

- 2D drafting
  - Directly add dimensions and annotations on 3D models with intuitive PMI functions.
  - Efficiently generate flat and folded pattern views of sheet metal with different kinds of manufacturing information.
- Estimation of manufacturing cost
  - With super unfold, users can unfold an complicated sheet metal into a flat pattern, and get the corresponding report accordingly with tons of information provided, like material, thickness etc.

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