

# > PACKZWARP AND 3D

*Instant visual inspection capabilities.*

## > PROFESSIONAL DEFORMATION SOLUTION

The PACKZWARP option in PACKZ is a powerful **non-destructive and professional deformation solution**. PACKZWARP distorts **a part or a complete design** to compensate for the deformation the printed product will undergo when it adopts its final three-dimensional shape. The distortions applied to the graphics are based upon grids which are created within the same module and are dependent on the type of warping necessary.

### CUP DEFORMATION

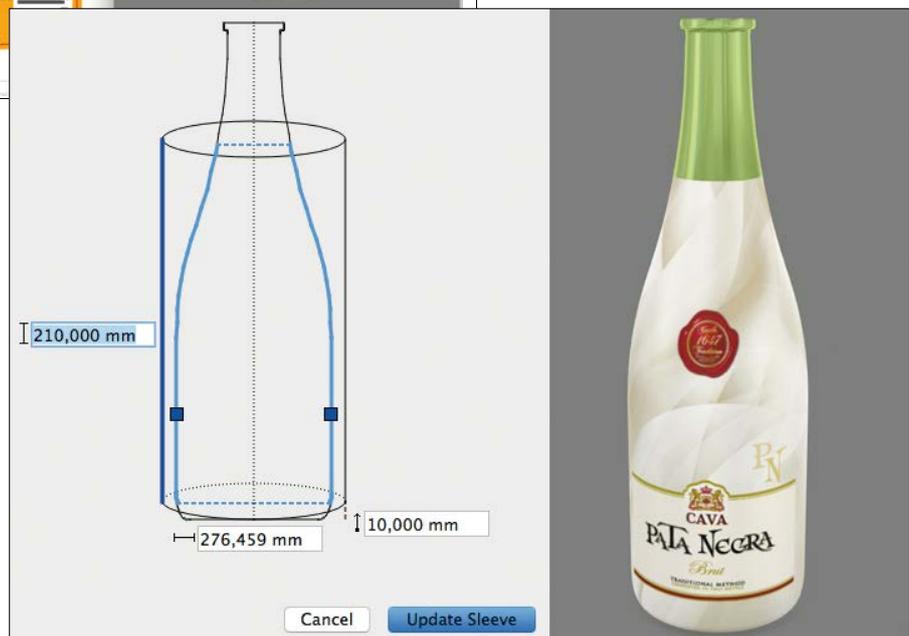
Grids can be made using **technical layouts** or created using **numeric values** through a cup generator. The resulting source and destination grid creates the link between the rectangular design and the warped result. Vector shapes, shadings, and image objects are deformed in record time. A single click creates a 3D model for real-time feedback.

### METAL CAN

PACKZWARP uses a powerful **can modeler** to generate a framework for the mechanical distortion of the metal can. With a **few distortion measurements**, Packz generates the destination grid, warps the rectangular design around the metal can and shows the 3D result instantly.



*Cup deformation with Live 3D view*



*Symmetric shrink sleeve spinner with Live 3D view*

## SYMMETRIC SHRINK SLEEVE

The technical design or the unique Path Edit tools in PACKZ allow users to create a vertical crosscut of the **symmetric shaped model**. The spinner calculates the deformation parameters. The **Live 3D** preview instantly shows the result allowing intervention on objects where adjustments are needed. PACKZ creates a mask to **compensate the change in ink density** caused by shrinking.

## ASYMMETRIC SHRINK SLEEVE

A 3D shaped model coming from a **3D application** is the basis for the creation of the shrink sleeve. The direct link between PACKZ and the optional **IC3D** software from Creative Edge provides a **real-time simulation** of the shrink sleeve on the 3D model. The shrink sleeve design is adjusted where needed after the warping results are displayed.



*Asymmetric shrink sleeve with real-time simulation*

## HIGHLIGHTS

- Conical cups and labels
- In-mold labels
- Shrink sleeves
- Non-destructive deformation
- Grid generator from technical layout
- LIVE 3D simulator
- 3D modeling and 3D PDF