



Disclaimer: This is a photo of a 3D printed object.

## Redesigning Packaging Design

Create innovative  
prototypes with Stratasys.

Accelerate your design cycles  
and produce complex, full-  
color, high-fidelity packaging  
prototypes — all in one print —  
with Stratasys PolyJet™  
3D printing technology.



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# An innovative Packaging Samples Solution.

Break free of traditional prototyping methods and create disruptive packaging showcases with cutting-edge PolyJet technology's full digital modeling process. Validate your final package design with realistically textured full color prototypes for the cosmetics, beverages and consumer goods industries with graphics that are part of the print and provide the ultimate design communication tool. And get to market faster — while cutting time and design costs — with an in-house 3D printing solution.



## Simplify your workflow.

Appearance prototypes are expensive to create and can take many hours of manual, in-house work, or even weeks using outsourced vendors — which is not ideal in a competitive, fast-paced market. Streamline your design process by 3D printing your rendering models quickly instead of spending hours manually designing prototyping-specific models or communicating your design intent with traditional external vendors.

# Get professional, cost-efficient models.

Explore more design combinations, variations and trends and deliver more professional packaging prototypes to key decisionmakers. Test multiple designs with focus groups. Plus, reduce prototyping costs and time by switching from expensive traditional modeling methods to full-color, in-house 3D printed models.

# Create high fidelity prototypes.

Go beyond traditional concept writeups and sending rendering illustration pictures over email. Produce highly-realistic, tangible prototypes and gain accurate feedback and early buy-in from customers and stakeholders before committing to costly packaging production. Combine exceptional transparency with saturated, opaque graphics all in one print. Produce sharp graphics that meet 2D graphics labeling standards. Simulate clear, spray-painted or tinted glass as well as transparent or colored plastic with smooth color gradients. Plus, mimic natural materials such as wood and fabrics — decreasing downtime and costs associated with outsourcing unique materials and enabling full appearance testing earlier in the design process.





The left sample is an unfinished bottle. The right sample was produced with an older version of clear and the middle one has been produced and polished with Stratasys' new clear material.

# Go from idea to creation with J Series.

Achieve unprecedented combinations of color, transparency, flexibility and sharpness in a single print by leveraging the multi-material printing capabilities of [Stratasys J Series 3D printers](#). With over 500,000 unique colors, realistic texture simulation, a range of rigid and flexible, highly-transparent and opaque materials and superior accuracy, J Series 3D printers are the most versatile full-color printers on the market.





## Print with advanced VeroUltra materials.

### Design with new, innovative materials.

VeroUltra™ materials use advanced color algorithms to take PolyJet full-color printing to extraordinary levels — enabling high-quality, full-color model production. The unique color qualities of VeroUltra can also simulate natural materials such as wood, fabrics and marble.

### Achieve sharper text and graphics.

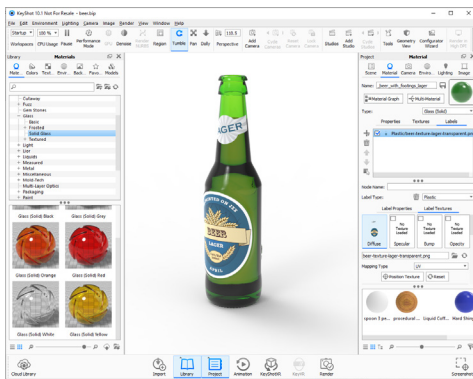
The ability to produce such high-quality colors with VeroUltra results in sharper text, labels and graphics and allows you to meet 2D industry print standards (MTF 50% of 37.5LPI). VeroUltra Black and VeroUltra White also bring unmatched quality to 3D printed text and graphics.

# Adopt an easier **workflow.**

Produce complex, high transparency, full-color 3D packaging with 2D graphics and labels in one print, in an all-digital workflow. Easily prepare files for a successful print with GrabCAD Print™ — a software that supports the industry-leading 3D manufacturing format 3MF — and make high-end, full-color 3D prints in a matter of four quick steps: 1) Load Model Files, 2) AutoFix, 3) Auto Arrange on Tray, and 4) Print. And as with any 3D printing solution, simply sand and polish your models to achieve the desired surface-finish appearance.

## Single-Day In-house Appearance Model for Packaging Design

### Turn This

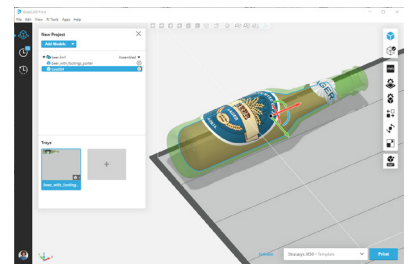


### Into This



### In 1 Day, With 3 Steps:

1. Export
2. Print
3. Polish



### Product to Simulate

Transparent Glass Bottles  
Tainted Glass Bottles  
Plastic Bottles  
Colored Masterbatch Plastic Bottles  
Lipstick Shell  
Lipstick Filling  
Makeup Box  
Makeup Filling

### Communication, Validation, & Decision

Design Iterations  
Readability at arm's length  
A/B Testing – Shelf placement  
Planograms  
Focus Groups

Management Approval  
Brand Approval  
Design Team Coordination  
Handoff to engineering  
Handoff to Manufacturing

# Ready to elevate your packaging designs?

Learn more about rapid prototyping with PolyJet technology at [Stratasys.com](https://www.stratasys.com).



#### USA - Headquarters

7665 Commerce Way  
Eden Prairie, MN 55344, USA  
+1 952 937 3000

#### ISRAEL - Headquarters

1 Holtzman St., Science Park  
PO Box 2496  
Rehovot 76124, Israel  
+972 74 745 4000

#### EMEA

Airport Boulevard B 120  
77836 Rheinmünster, Germany  
+49 7229 7772 0

#### ASIA PACIFIC

7th Floor, C-BONS International Center  
108 Wai Yip Street Kwun Tong Kowloon  
Hong Kong, China  
+ 852 3944 8888



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