

2025



# Mockup Generator

Batch mockup generation placing artwork into frames and room scenes with perspective-correct compositing.

Python · PIL/Pillow · Perspective Transforms · Batch Processing

700+ Mockups Created

# Buyers Need to See It in a Room



## Mockups Sell Products

Art buyers want to visualize pieces in their space. Room-scene mockups sell significantly faster than flat images.



## Designer Bottleneck

Each mockup takes 15–30 min in Photoshop. 700 mockups = 175+ hours of designer time.



## Consistency Impossible

Manual mockups vary in perspective, shadows, and framing. Every piece looks from a different seller.



## Multi-Platform Sizing

eBay, Instagram, and web all need different dimensions. Resizing multiplies the work.

# Visual Commerce Drives Conversion

**700+**

Professional mockups generated automatically

**64**

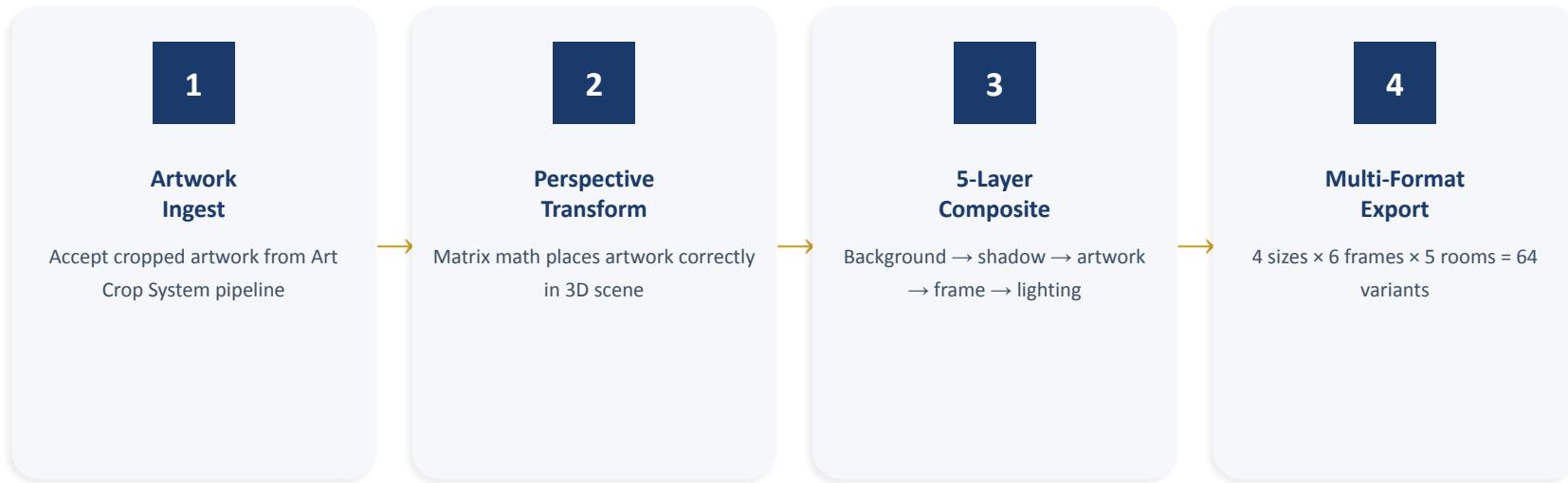
Size/frame/room combinations per artwork

**2 sec**

Per mockup vs. 30 minutes manual

E-commerce is visual. Sellers with professional lifestyle imagery outperform flat-image listings by 40%.  
The question isn't whether you need mockups—it's whether you can afford to make them manually.

# Mathematically Correct Compositing



*Proper 3D perspective transformation—not pasting and hoping. The artwork ‘sits’ in the room, not floats on it.*

# Professional Mockups in Seconds

- Perspective Math** 3D-correct artwork placement
- 6 Frame Styles** Black, white, gold, oak, floating, none
- 5 Room Scenes** Living room, office, gallery, bedroom
- 5-Layer System** Background, shadow, art, frame, light
- 4 Export Sizes**  $1200^2$ , 1600×1200, 1920×1080, 800 $^2$

## TECH STACK

### ENGINE

Python + PIL/Pillow

### COMPOSITING

5-layer alpha blending

### FRAMES

6 styles with color matching

### ROOMS

5 configurable templates

### OUTPUT

4 export sizes per combo

# Art Photo to Lifestyle Image, Instantly

**700+**

Professional mockups generated

**2 sec**

Per mockup (was 15–30 min in Photoshop)

**64**

Unique variants per artwork piece

**900X**

Speed improvement over manual creation

What a designer does in 30 minutes for one mockup, this system does in 2 seconds—and produces 64 variants.

## KEY TAKEAWAY

The Mockup Generator proves mathematical precision in image processing—perspective transforms, alpha compositing, layer systems—creates business value far beyond its technical complexity.

### Image Processing

Perspective transforms, compositing

### Template Architecture

Extensible room/frame system

### Batch Automation

64 variants per artwork, seconds