



# A spot on color match

Use Case – Using Stratasys® VeroUltra™ materials to create a realistic, multi-material product prototype.

## Challenge

Traditionally, to achieve a multi-material appearance the designer needed to mix new colors for each part, paint and then mask multiple times — which reduced the part's tolerance and increased the risk for errors. The wooden portion of the ladle also required its own production process through CNC machining or incorporating a paint process on top of a 3D printed, single-color part. And because the wooden part needed to be sourced, there were variations between iterations.

## Solution

Using Stratasys PolyJet™ 3D printing technology and VeroUltra family of opaque color materials, this multi-material ladle could be created in a single print in as many colors and simulated materials as needed. The VeroUltra materials allowed for high pigmentation and color matching to help designers validate the appearance of the final product. Additionally, the highly-realistic procedural wood texture — exported from Keyshot in a single step — creates a part with a lifelike wood appearance when printed.

## Impact

The ability to realistically simulate plastic and wood materials cut out the need to outsource organic materials — an otherwise expensive and lengthy process. Enabling the reproduction of virtually any color also eliminated the need to manually mix, match and mask color.

