

The Magics Structures Module helps you reduce the weight and material usage in your designs. Whether you wish to hollow a part and fill it with a lightweight structure, convert a part to lattice, or create functional surfaces, the easy-to-use wizard in the Magics Structures Module will guide you every step of the way.



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### Save Powder

- Once you have created a hollowed design, you can add draining holes so that excess powder can be removed, leading to lower powder consumption and production costs

### Keep the Temperature Under Control

- Since a model with structures requires less scanning, the generated heat can be kept under control and distortion during the build can be reduced

### Enhance Your Design

- Keep your model's design intact, while reducing its weight
- Create porous designs for bone and tissue ingrowth

### Freedom of Design

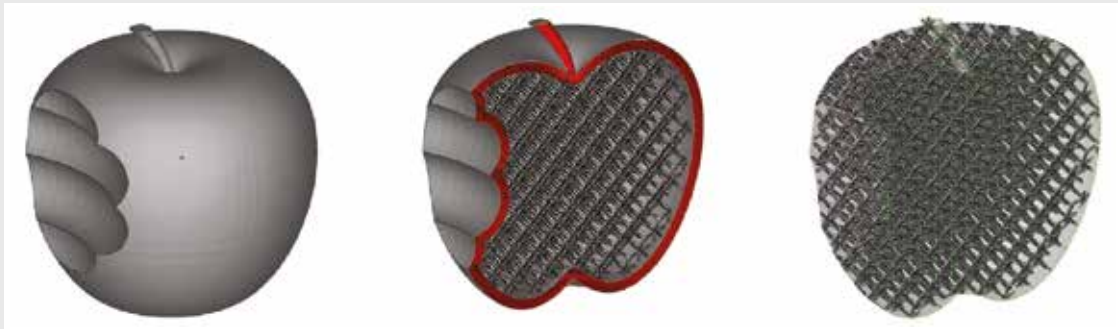
- Use the module's structures library or design your own unit cell structures to create lattice

"Starting from a solid apple, this lightweight version was entirely created with Materialise Magics. The lattice was created by the Magics Structures Module."



# Transform a Solid Apple into a Lightweight Version:

## Create a Structure with or without Outer Shell

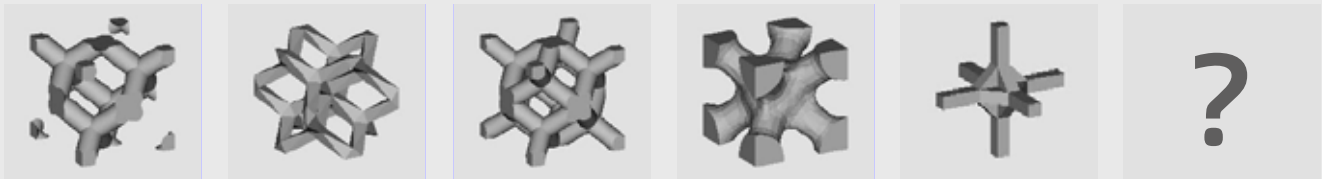


Original design

With outer shell

Without outer shell

## Choose a Unit Structure



Diamond

Dode

Dodecahedron

Diagonals

Cross

Custom

## Add Drain Holes to Remove Trapped Powder or Resin

