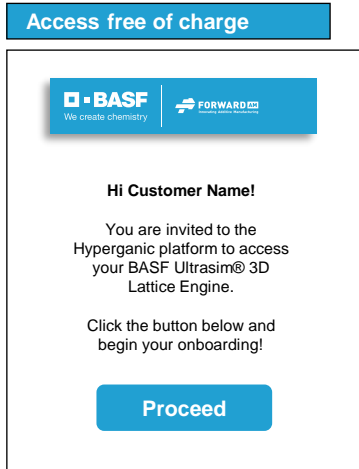


Starter 1 - Workflow: Lattice Engine

1. Request access to Ultrasim 3D Lattice Engine

Via our [website](#) or sales@basf-3dps.com. You receive an onboarding email with download link.



2. Upload STL

Upload your own STL or choose any given STL from our application catalogue to get.

2a Your own STL

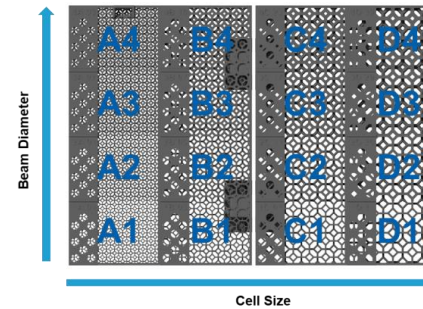


2b Application Catalogue



3. Use application specific lattice code

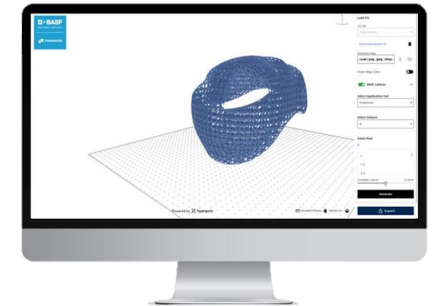
Use our Ultrasim® 3D Lattice Test Pads to experience the wide range of properties lattices can achieve. With this you can choose your lattice code (A1, A2, etc.) to get in your part.



4. Generate your digital lattice design

Access to Ultrasim 3D Lattice Engine is free of charge.

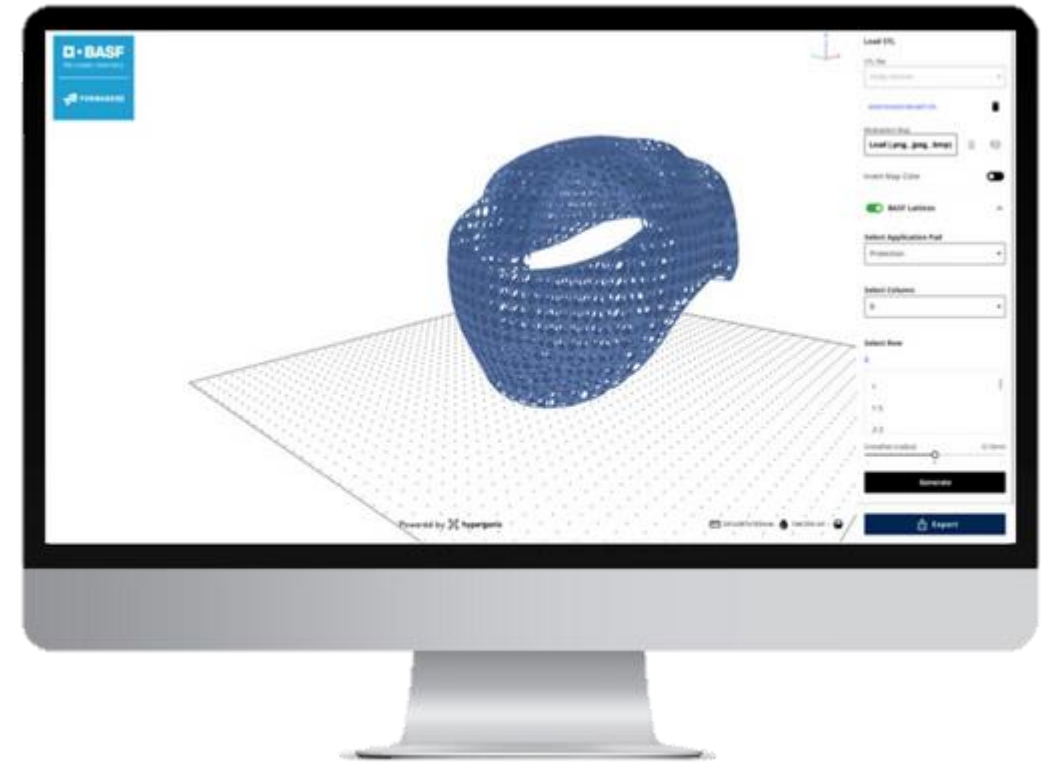
If you want to export the STL file, please send a request to: sales@basf-3dps.com



Starter 1 – Workflow: How to generate easy and fast lattice designs for testing?

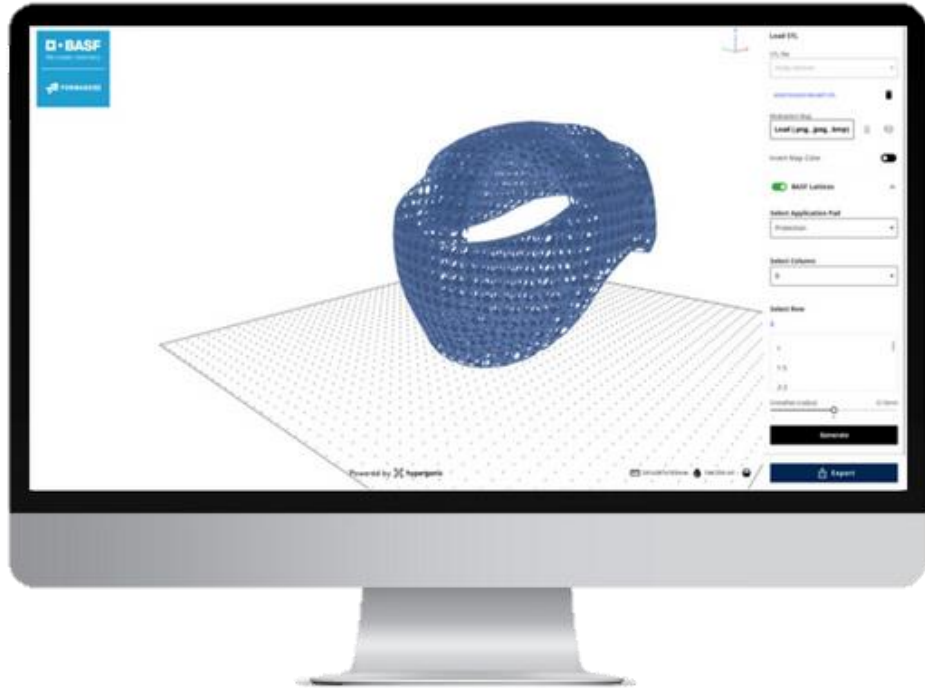
Many and expensive tools with no pre-set and no certified lattices included

- Forward AM Ultrasim® 3D Lattice Engine powered by Hyperganic enables you quickly generate validated lattices of our Ultrasim® 3D Lattice Test Pads into your design.
- Benefits at a Glance:
 - ✓ User friendly
 - ✓ Access for free
 - ✓ Validated BASF lattices
 - ✓ Based on lattice library
 - ✓ System integration with BASF material and services



Starter 1 – Workflow: Ultrasim® 3D Lattice Engine

Manual - How to use the app



Load STL

1a Preset
Choose a Preset

1b Load Custom STL (.stl)

Modulation Map
Load (.png, .jpeg, .bmp)

Invert Map Color

2a BASF Lattices

3 Select Application Pad
Protection

Cell Size
A

Hardness
1

Smoothen (radius) 0.10mm

4 **Generate**

2b Lattice Playground

5 **Export**

Choose from our Application Catalogue or

Upload your own STL

Choose between 2 modes:

(1) BASF Lattices – validated lattices specifically designed for Footwear, Seating, Protection with backed up by simulation data and QC tests or

(2) Lattice Playground – play around and see what designs are possible

Select the Ultrasim® 3D Lattice Test Pads, Cell Size and Hardness given as code on the pads to generate the touch&feel lattice of your choice into your design

Cell Size

Generate your lattice design in an instant

If you want to export the STL file, please send a request to: sales@basf-3dps.com