

# Ultrasim® 3D Lattice Design - Offering

	Starter	Premium	Enterprise
	<b>Lattice Design Service</b>	<b>Foam Replacement</b>	<b>Full Engineering</b>
	Get started with your customized lattice design quickly and effortlessly.	Mimic your foam using a 3D printed lattice based on our in-house developed FEA and lattice library.	We support you in each step of the product design development for your ideal lattice design.
<b>What you get:</b>	✓	✓	✓
• STL-file of digital lattice part	✓	✓	✓
• Digital stress strain curves of lattice		✓	✓
• Digital stress-strain curves of tested foam		✓	✓
• Customized 3D printed lattice sample		✓	✓
• Full engineering support			✓
<b>Add-on:</b>			
• Ultrasim® 3D Lattice Test Pad (99 €/each)	✓	✓	✓
• Partial skin, multi-zone lattices (250 €/each)	✓	✓	✓
• 3D print your part (price tbd)	✓	✓	✓
<b>What 3D printing materials:</b>			
• Ultrasint®	TPU01, TPU 88A	TPU01, TPU 88A	TPU01, TPU 88A
• Ultrafuse®	TPU 85A	TPU 85A	TPU 85A
<b>What we need from you:</b>	<ul style="list-style-type: none"> <li>• STL of your part design<sup>1</sup></li> <li>• Code from our Ultrasim® 3D Lattice Test Pad</li> </ul>	<ul style="list-style-type: none"> <li>• STL of your part design<sup>1</sup></li> <li>• Foam sample minimum 50 x 50 x 50 mm</li> <li>• Stress strain curve according to e.g. ISO 3386</li> </ul>	<ul style="list-style-type: none"> <li>• 1 hour of your time to understand your problem and derive a solution concept</li> </ul>
<b>Lead time:</b>	<b>2 weeks</b>	<b>4 – 6 weeks</b>	<b>On request</b>
<b>Price:</b>	<b>Starting at 490 €</b>	<b>Starting at 2.500 €</b>	<b>On request</b>

<sup>1</sup> Disclaimer: Limited to part size of less than 300 x 250 x 250mm; larger parts needs to be segmented which requires a segmentation concept (premium solution)