

Ultrasim® 3D Simulation (FEA) - Offering

Raw Material Data

Starter

Get the curves behind our TDS data to start basic simulation work. Add additional temperatures or strain-rates to the starter solution.

3D Simulation

Premium

We run the simulation for you. We help you to speed up your engineering process and increases confidence in part performance using a digital twin of your part.

Material Model as a Service

Enterprise

Use our in-house developed material models for 3D-Printing including anisotropy of the process and our experience in virtual Engineering.

<u>What you get:</u>
<ul style="list-style-type: none"> Material data at room temperature 3D Simulation (FEA) support Ultrasim 3D material model as a service (incl. installation)
<u>Requirements to get started:</u>
<ul style="list-style-type: none"> IT System FEA Solver Additional requirements
Get your Add-on:
What we need from you:
Price:
Lead time:

✓
<ul style="list-style-type: none"> Internal ability to use material data. Any solver
<ul style="list-style-type: none"> Material data at additional temperatures and strain rates
<ul style="list-style-type: none"> Material of interest (see table)
On request
14 days

✓
✓
<ul style="list-style-type: none"> Material data at additional temperatures and strain rates 1 hour of your time to understand your goal and derive the data set you need.
On request
On request

✓
✓
✓
<ul style="list-style-type: none"> Linux System (e.g. CentOS7) LS-DYNA with Sharelib OR ABAQUS Further Details see Appendix ABAQUS, LS-DYNA Advanced FEA knowledge Dedicated Super-User for FEA
<ul style="list-style-type: none"> Material data at additional temperatures and strain rates
<ul style="list-style-type: none"> 1 hour of your time to understand your problem and derive a solution concept.
On request
On request