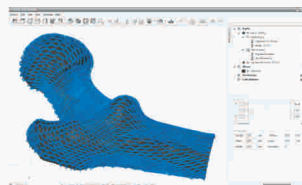
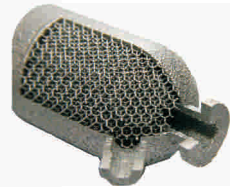
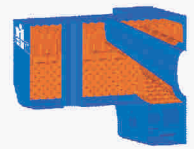


**automatic generation of optimized volume structures in seconds without CAD**

Did you know ....

- ... **that a single standard PC is sufficient**  
optimized algorithms provide for minimal memory consumption and fast calculation of the entire component.
- ... **that you can create any complex Selective Space Structure**  
the unique operating concept of the structure generator allows the design of gradually more and more extensive truss structures.
- ... **that you can use STL files as a unit cell**  
Not only truss structures but also STL files can form a unit cell. Even combinations of both are possible. Your creativity is virtually limitless.
- ... **that different cell structures can be combined in one component**  
Define your own rules for the linking of different cell structures. 3S can identify the nature of their neighboring cells and transform the information into transitions to reach a perfect interplay between different cell types within a component.
- ... **that you can automate all the calculations**  
with the integrated LUA scripting language STL files can automatically be transformed into complex combinations of different structures
- ... **that 3S can be transferred directly to your additive production**  
facilities in addition to the output of the Selective Space Structures as STL files, netfabb has direct interfaces to a number of systems. This allows processing of components with extremely large 3D data sets. This way you can reach a much faster processing and a higher precision of your components.

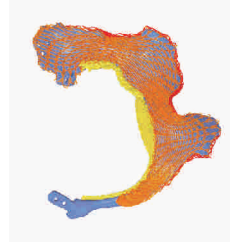


**It's in your brain... ...get it out**

## Volume Structures can be individually tailored to your needs in different development stages:

### ■ 3S Producer Package

With the 3S Executor you can select and convert STL files easily by clicking on Selective Space Structures. Through the use of tested and pre-defined structures you can generate 3S components as easy as your other components.



### ■ 3S Designer Package

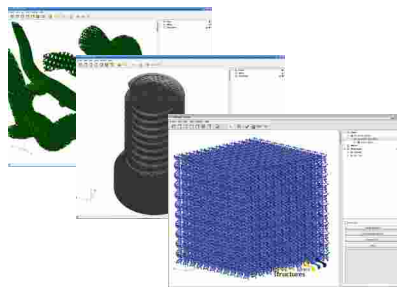
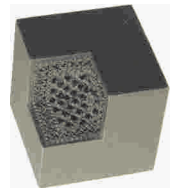
Specific ideas need specific solutions. The generator allows you to structure the development and design any kind of volume structures. Depending on the desired output you can define the production system and optimize the properties of your component. With 3S volume structures you can also define your own exposure strategies to directly influence density, internal structure, melt speed etc.



### ■ Script Modules

If your 3S structure consist of a combination of different cell structures the scripting engine will help you through a completely automated STL decomposition of the body into different fragments combined with the automated assignment of the correct cell structure. Unmatched speed and flawless execution of your instructions are decision criteria for the use of scripting module.

If you develop structures and want to make them available to other users, the script and structures you created can be encrypted by you for defined modules of the licensed executer. Through the netfabb hardware dongle your investment in the optimum structures is protected against unauthorized use.



A cost-effective upgrade to higher levels of development is possible at any time

**Upon request, we offer a free 30-day trial**

*Affordable licenses are available for Educational users*

**netfabb GmbH** Phone: +49 (0)9492 60 1640 - 0  
Eichenbühl 10 Fax: +49 (0)9492 60 1640 - 9  
92331 Germany Email: [info@netfabb.com](mailto:info@netfabb.com)  
Web: <http://www.netfabb.com>