



TruTops Print

Data preparation
for 3D printing

TRUMPF CAM software for your digital 3D printing process chain

With the TruTops Print software designed for TruPrint machines, you can get the most out of your process. A wide range of well optimized parameters, developed by our process and application experts, is available. This allows you to have a fast start in 3D printing. As a result of the open parameter editor, you also have the possibility to optimize your 3D build job up to the finest detail. Beyond improving part quality and performance, the software provides a more intuitive workflow and easier navigation (than ever before) – and much more than that.

Rely on this progressive software solution for your process chain and benefit from its continued further development.

01 Industrial CAM software

For professional build job preparation with any CAD/CAM software

03 Open parameter editor

For limitless optimization possibilities

05 CAD/CAM interface

For efficient integration into your existing 3D printing process chain

02 Technical benefits

For increased productivity and premium part quality

04 Large availability of parameters

For a smooth start in additive manufacturing

Industrial CAM software

For professional build job preparation with any CAD/CAM software

The result of perfect alignment between TruTops Print and your TruPrint machine leads to increased performance and improved part quality. The TruTops Print software converts your designed data into machine-readable build job files. During this operation, your parts are sliced into layers for the printing process and the corresponding laser paths are defined. The software also assists you with the configuration of individual scanning strategies for your parts.



Technical benefits

For increased productivity and high part quality

- **Highest reproducibility:**
Same vector generation and part quality - independent from the position on the build plate
- **Increased performance:**
Intelligent sorting of vectors leads to the reduction of jump vectors, which saves production time
- **Less overheating:**
Reduction of short vectors, results in less energy input in the melt pool
- **Intuitive operation:**
Simple user interface for great user experience
- **High level of details:**
Vector generation allows an exact replication of the designed geometry without any loss of data

Open parameter editor

For limitless optimization possibilities

TruPrint machines and software are open systems. You have full flexibility in optimizing their parameters to meet your individual needs.

All TRUMPF parameters can be optimized for your specific requirements. Such adjustments can be carried out by TRUMPF experts or by yourself. To enable or support you in doing so, we offer various training courses and services.

CAD/CAM interface

For efficient integration into your existing 3D printing process chain

TruTops Print software is well suited for integration into your existing data preparation process, without the need to switch to a new CAD/CAM system. Several CAM software are already supported - more will follow.

Large availability of parameters

For a smooth start in additive manufacturing

The parameters developed and tested by TRUMPF experts allows a quick start for your printing project.

TRUMPF parameters are bundled in parameter sets. One set contains all parameters for a machine type and material group (different materials and layer thicknesses). This gives you access to all available machine and material parameters - and allows you to import the parameters that fit your requirements into the software.