netfabb®
Software for 3D Printing

netfabb Professional
Package Types

netfabb Professional – Features and Package Types

netfabb Professional 5.2	netfabb Small Business	netfabb Business Edition
netfabb Professional is the most easy to use fully professional and extremely well-priced software for 3D printing, STL file repair and a whole lot more.	The netfabb Professional Small Business Edition is tailored for small businesses and includes two seats of netfabb Professional and one seat of the netfabb CAD Import tool. This edition is ideal for the small company needing professional file handling capabilities in the office and in the field.	The netfabb Professional Business Edition is tailored for the medium size company and includes five seats of netfabb Professional and two seats of the netfabb CAD Import tool. This sdition is ideal for the medium size company with a need for professional file handling capabilities within a workgroup and in the field.
1 dongle 1 license for netfabb Professional	2 dongles 2 licenses for netfabb Professional and 1 license for the CAD Import add-on	2 dongles with individual licenses for netfabb Professional and 2 CAD Import add-on licenses 1 single-seat license of netfabb Professional 4 floating licenses for netfabb Professional
Fully commercially usable. Upgradeable with add-ons.	Fully commercially usable. Upgradeable with add-ons.	Fully commercially usable. Upgradeable with add-ons.
Price: 1,499 € (excl. VAT) 1,799 USD (excl. VAT)	Price: 3,800 € (excl. VAT) 4,800 USD (excl. VAT)	Price: 7,000 € (excl. VAT) 9,000 USD (excl. VAT)
Features: + netfabb Professional features	Features: + netfabb Professional features + netfabb CAD Import features	Features: + netfabb Professional features + netfabb CAD Import features

netfabb Professional features:

General

- View, repair, edit and slice triangulated file formats
- Speedup processing and business workflow for huge and complex files
- Optimize part and process quality
- Microsoft Kinect Interface

Repair

- Professional fast, reliable and automatic part repair - even in most complicated cases
- Professional macro-scripting of repair steps and automatic repair routines
- Customizable repair scripts: e.g. reduce triangles, refine triangles, prefix & suffix tool to automatically name your parts etc.
- Manual repair: determine precise repair settings
- Remove parallel planes
- Close holes
- Fix flipped triangles
- Stitch triangles
- Remove double triangles
- Remove degenerated triangles and surfaces
- Remove tiny shells
- Wrap: Get the out surface of model fast and reliable (create one single outer shell)
- Merge many shells into one shell

Edit & Design

- Professional editing of triangulated files
- Easy editing with transparent view and clip planes to access hidden areas and the inside of parts for editing
- Fastest and most stable 3D boolean on the market: merge together or substract parts from each other
- Most stable and reliable mesh boolean operations: combine and create new parts; merge, subtract and differentiate parts
- Reduce triangles and file size
- Refine and smooth the mesh
- Remesh: create a completely new mesh of your part
- Compare meshes with each other
- Create Shells, hollow parts
- Remove Self-Intersections
- Remeshing: rearrange triangles
- Extrude triangles and surfaces
- Retriangulation
- Hollow parts
- Cut parts
- 3D Extrude
- Advanced cut tools
- Split large parts
- Z-Compensation
- Add and merge 3D text on parts
- Emboss Logos
- Extrude 2D images to 3D
- Design parts by using primitives
- Compare meshes with each other
- Remesh: create a completely new mesh of your part
- Part library with predefined primitive and complex shapes
- Part Library with lots of adjustable primitives and geometric shapes, from cylinders to bracelet, to vases to bricks and fractals
- Surface smoothing

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Did you know?

 - *netfabb Professional bridges the gap between CAD or scan content and 3D printers. Like an automatic spellchecker, it ensures perfectly printed parts.*

 - *You can install netfabb Professional on a server and access it from different PCs (one PC per license at the same time) – at no additional costs.*

 - *netfabb is the world's most used software for 3D printing.*

 - *netfabb licenses are forever. Buy once and use for a life-time.*

 - *netfabb is available for Windows, MacOs and Linux at no additional cost.*

 - *netfabb is so easy to use, it only takes a few hours to learn.*

Business Workflow

- Macro scripting for machine-specific part manipulation
- Integrated batch mode for autonomous repair, scaling, refinement, triangle reduction, part grouping and renaming of hundreds of files.
- Automatic creation of quotes and build reports including images and part properties
- Quick calculations based on volume, dimensions and surface area for quoting, management and quality control
- Quote quickly and accurately and get accurate part properties for accurate pricing
- Define your own quote and report templates
- Analyze part features to predict costs and build issues
- Control all parameters related to costs, quality and process stability
- Working with multiple platforms and build envelopes and the same time increase your work efficiency and productivity significantly: Prepare multiple build jobs for multiple machines and applications simultaniously.

Analyze

- Professional part analysis tools
- Analysis of wall thickness
- Analysis of center of gravity
- Analysis of shadow parts
- Analysis of upskin and downskin analysis
- Analysis of support volume

View & Manage

- Define naming options for your parts
- Realtime part collision detection
- Advanced triangle selection
- Clip planes: cut the view on any axis and view your mesh from the inside out as a 3D slice.
- Save parts or STLs as one part
- Open all files in a ZIP file

Slicing

- Always create 100 % flawless slices – guaranteed
- View and export slices in many formats (see file format data sheet)
- Cut and boolean editing for slices
- Integrated slice editor with offsets, filling, cutting and point reduction operations on slice level
- 2D offset for slices
- Apply calculations to slices
- Convert slices back to triangulated meshes for quality control
- Filling with hatch rotation

Color

- Import, view and convert colored and textured models
- Color the mesh or remove all color information
- View colors and textures of special 3D formats and repair such parts; convert textures with file formats.
- Full color support: All netfabb productivity advantages, now also for full color printing
- Analyze, repair and edit surfaces to get printable and perfect full-color parts
- Texture Module: Create colorful and textured parts and products exactly the way you and your customers want them.
- Colorize your models where you want and in the colours you want (works even on single triangle level).
- Support your vision with even more color: Even more creativity and far more interesting models which you can create on color-supporting 3D printers.
- Project a texture, picture or logo directly onto you model: Make a direct and plane projection or cover your model with the picture from all sides (cylindrical or spherical).
- Supports textures and pictures in JPG, JPEG, PNG, BMP and TIFF.
- Load a picture or company logo and apply it as a texture onto your models: Adjust the texture alignment with an adjustment grid (parametrization) with absolute accuracy onto the surface of your model.

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netfabb CAD Import features:

- Convert original CAD data inside netfabb Professional regardless which CAD program your client is using
- With netfabb Professional you can import 20 leading CAD formats without conversion and translation errors at an incredible price of 2.000 € / 2,500 USD (net).

- After conversion of the model you can check its buildability, repair possible imperfections and start the production process. Meet your delivery deadlines without troubling engineers or customers about file conversion. (see file format data sheet for supported CAD formats)

Overview of supported file formats for netfabb Professional and CAD Import
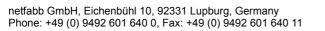
netfabb Enterprise Edition

Special solutions for large companies on request

Up to 100 netfabb Professional and CAD Import seats.
Integration of netfabb Cloud Solutions is possible.

How to order:

Request a quote: www.netfabb.com/ordering.php
Or send a purchase order: sales@netfabb.com

netfabb GmbH, Eichenbühl 10, 92331 Lupburg, Germany
Phone: +49 (0) 9492 601 640 0, Fax: +49 (0) 9492 601 640 11

Every netfabb Professional license can be upgraded with powerful add-ons:

Automatic Packing:

For an efficient production, automatically arrange your objects or object groups as compact as possible at the push of a button. Available as a small, medium and large version. The size is for the maximum the buildspace: small is 250x250x350mm, medium is 400x400x650mm and large is 1000x1000x1000mm.
- Saves space
- reduces packing time and material consumption
- reduces building costs, higher revenue per part
- eliminates errors (rounding errors) in production at 100%
- simplifies communication in the company
- Pack more parts on some Systems automatically can save hours of manual work during job preparation, job building and the finish work. Operate your AM System more profitable with less man power

netfabb 3S Make:

Additive Manufacturing facilitates almost total freedom in geometry. 3S Make features basic functions to create standard structures inside your objects at the push of a button.

netfabb 3S Invent:

An integrated developer kit featuring all functions of the Selective Space Structures (3S) software. Make your additive manufacturing machines compatible with multi-materials by using virtual materials.

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