SYNOPSYS®

Simpleware Software Features and Licensing Options
Version V-2024.06

Simpleware Software Tools and Features

Simpleware software provides an extensive selection of 3D image processing, analysis, and model generation tools for working with image data.

IMAGE PROCESSING

Image Import, Visualization & Processing

Extensive selection of image visualization and processing tools to manage complex 3D and 4D scan data. Seamlessly handle challenges such as poor contrast, artifacts, and low-resolution images to achieve accurate results with ease.

VOLUME MESH TOOLS

FE/CFD Volume Meshing

Direct route from image data to simulation. Generate volume meshes that are ready to use in leading FE/CFD solvers. Customize models with a wide range of options to meet specific simulation needs.

AUTO SEGMENTATION

AI-Powered Segmentation & Landmarking

Anatomy-specific automated segmentation tools for ankle, CMF, heart, hip, knee, shoulder, and spine data using Machine Learning (ML) algorithms, and automatically identifies common key landmarks.

MEASUREMENTS

Measurements & Statistics

Robust analysis and quantification tools for masks, models, and centerlines. Interactively measure and quantify data across a wide range of metrics, tailored for both global and local regions of interest. Generate custom statistics templates.

SURFACE TOOLS

Working with Computer-Aided Design

Import and interactive positioning of surface objects within 3D image data. Create NURBS models or pass updates directly between SOLIDWORKS® and Simpleware to speed up iterative product design workflows.

3D PRINTING

3D Printing Toolkit

Dedicated tools designed to rapidly convert imaging data into print-ready models. Efficiently prepare, analyze, and inspect models tailored for 3D printing. Export in a range of file formats for a smooth transition from digital to physical part.
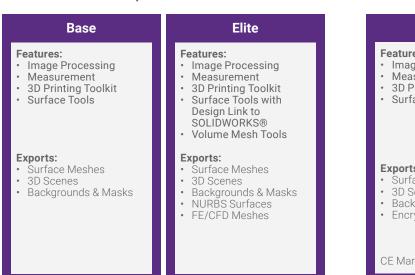
synopsys.com/simpleware

Simpleware Software Licensing Options

Synopsys is committed to providing high-quality software products on current computing platforms that are well-suited for engineering simulations. Simpleware software is fully supported on 64-bit Windows and Linux operating systems. All software products are licensed using FlexNet (FLEXlm), the industry standard software license manager from Flexera Software.

License Tiers

Base and **Elite** tiers for both Simpleware and Simpleware Medical give customers greater flexibility to select the features they require for their workflows.

Simpleware Tiers

Base	Elite
Features: • Image Processing • Measurement • 3D Printing Toolkit • Surface Tools **Exports:** • Surface Meshes • 3D Scenes • Backgrounds & Masks	**Features:** • Image Processing • Measurement • 3D Printing Toolkit • Surface Tools with Design Link to SOLIDWORKS® • Volume Mesh Tools **Exports:** • Surface Meshes • 3D Scenes • Backgrounds & Masks • NURBS Surfaces • FE/CFD Meshes

Simpleware Medical Tiers

Base	Elite
Features: • Image Processing • Measurement • 3D Printing Toolkit • Surface Tools **Exports:** • Surface Meshes • 3D Scenes • Backgrounds & Masks • Encrypted 3D PDFs CE Mark & FDA 510(k)	**Features:** • Image Processing • Measurement • 3D Printing Toolkit • Surface Tools with Design Link to SOLIDWORKS® • Auto Segmentation • Volume Mesh Tools **Exports:** • Surface Meshes • 3D Scenes • Backgrounds & Masks • Encrypted 3D PDFs • NURBS Surfaces • FE/CFD Meshes CE Mark & FDA 510(k)

License Configurations

- **Node-locked**: The license is tied to a single PC that can only be accessed by one user at a time. Please note that use via remote desktop connectivity does not work with node-locked licenses.

- **Floating**: The license is managed by a single PC or server, which provides licenses to other machines on the same local area network (LAN). Continental and Global wide area network (WAN) license agreements are also available. The number of users that can access a license simultaneously is only limited by the number of seats purchased.

License Terms

A **annual** (one-year) or **multi-year** lease of the software that comes with maintenance.

Maintenance includes full support from our engineers, including image data review and tailored advice and discussion by phone, email and web meeting. Maintenance also includes bug fixes, upgrades (minor and major) and allows node-locked licenses or a floating server license to be moved to another computer at no additional cost.

Select Your Package

1. **Choose your license tier**: Simpleware Base OR Elite, OR Simpleware Medical Base OR Elite

2. **Choose your license configuration**: Node-Locked OR Floating

3. **Choose your license term**: Annual OR Multi-year

Supported Operating Systems (only 64-bit operating systems are supported)

Windows	Linux*
• Windows 10 • Windows 11 • Windows Server 2016 • Windows Server 2019 • Windows Server 2022	• RHEL 7.x and 8.x • CentOS 7.x and 8.x

The license server tools are installed from the Synopsys Common Licensing software which provides support for both Windows and Linux platforms. Please visit the Synopsys Licensing webpage for further details: www.synopsys.com/support/licensing-installation-computeplatforms.html and contact us to discuss compatibility.

*Simpleware Design link tools are not available in the Linux operating system.

Recommended System Requirements

Operating System	Hardware
• Windows 11 • Windows Server 2019 • RHEL 7.x* • CentOS 7.x* Only 64-bit operating systems are supported. *Simpleware Design link tools are not available in the Linux operating system.	• Processor: Intel Core i7 or equivalent • Memory (RAM): 16 GB or higher** • Graphics card: OpenGL 3.2 compatible graphics card with 1024 MB VRAM*** • Screen resolution: 1920 x 1080; True color (32bit) or more • Disk space: 100 GB **As a guideline, allow twice as much RAM as your datasets size for volume rendering visualization and about 4 to 8 times for segmentation, surface mesh generation etc. The memory required depends heavily on the size and complexity of your image data and resultant model to be analyzed. ***Simpleware Auto Segmentation tools require a CUDA-enabled NVIDIA graphics card with a minimum compute capability of 3.5 and a maximum of 8.x. In addition, a minimum of 4GB VRAM is required.

Any Questions?

For more details on any of these options, please contact us at simpleware@synopsys.com.