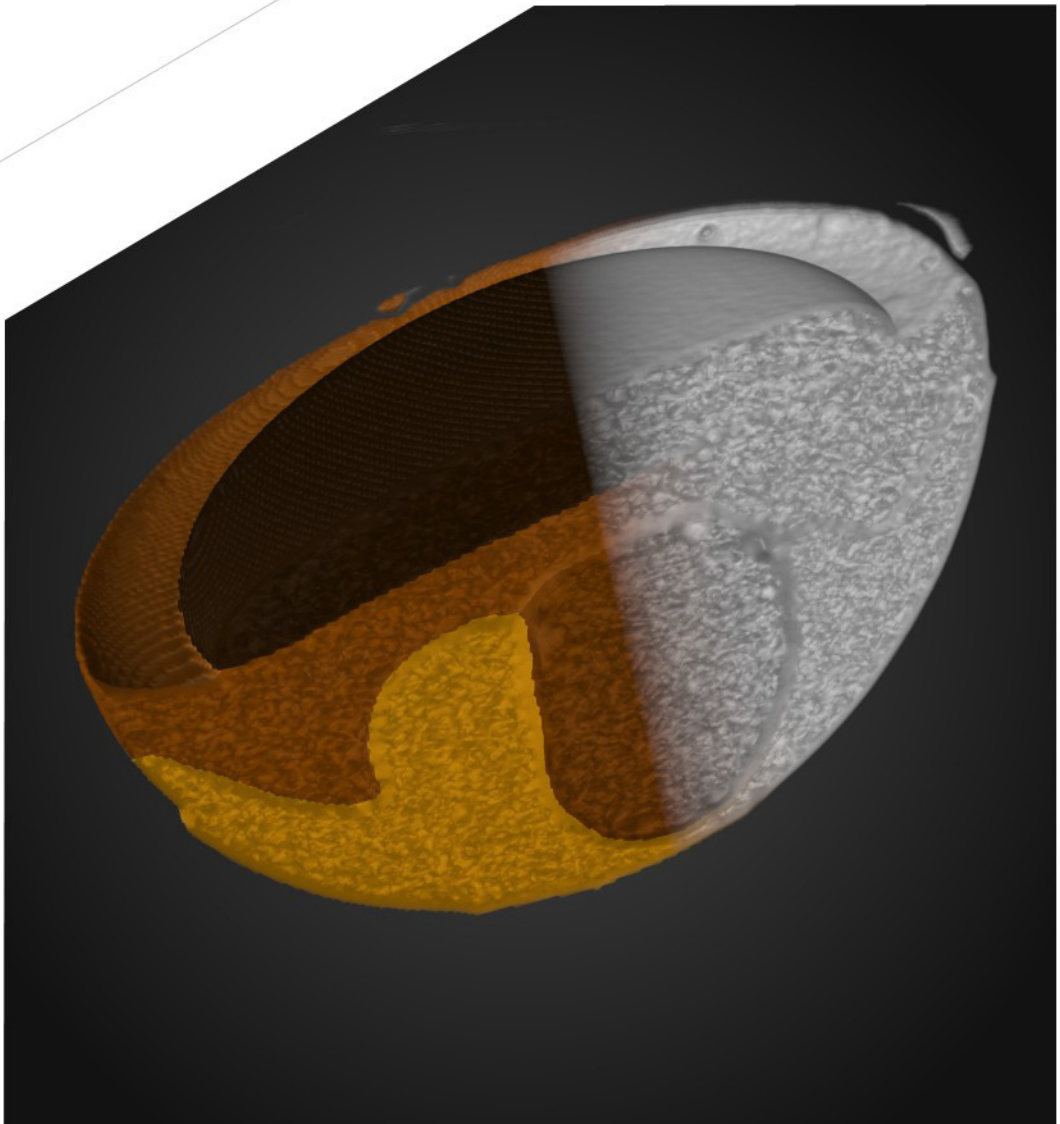
HEXAGON

VGTRAINER

System requirements



If you have any questions regarding our products and services, do not hesitate to contact us:

Europe, Middle East, and Africa:
Volume Graphics GmbH, 69115 Heidelberg, Germany

Sales:
E-mail: sales@volumegraphics.com
Phone: +49 6221 73920 744

Support:
E-mail: support@volumegraphics.com
Phone: +49 6221 73920 80

Japan:
Hexagon Manufacturing Intelligence K.K., Nagoya 464-0858, Japan

Sales:
E-mail: sales@volumegraphics.jp
Phone: +81 52 508 9682

Support:
E-mail:
jpnch-support.mi@volumegraphics.com
Phone: +81 50 5305 1829

The Americas:
Hexagon Manufacturing Intelligence LLC, Huntersville, NC 28078-7935, USA

Sales:
E-mail: sales-us@volumegraphics.com
Phone: +1 704 248 7736

Support:
E-mail: support-us@volumegraphics.com
Phone: +1 704 248 7736

China, including Mainland China, Hong Kong, Macao, and Taiwan:
Hexagon Software Technology (Qingdao) Co., Ltd., Qingdao City, Shandong Province, China

Sales:
E-mail: sales@volumegraphics.cn

Support:
E-mail: support@volumegraphics.cn

Singapore and other parts of Asia (except China and Japan), Australia, and parts of Oceania:
Volume Graphics Pte. Ltd., Singapore 556741

Sales:
E-mail: sales@volumegraphics.sg
Phone: +65 6665 0310

Support:
E-mail: support@volumegraphics.sg
Phone: +65 6665 0311

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Introduction

VGTRAINER is the ultimate solution for automating your most complex inspection tasks: enable Deep Segmentation to provide you with the precise segmentation you need for further analyses. VGTRAINER allows you to train an advanced Deep Segmentation model tailored to your exact needs while keeping your sensitive data private.

Table 1-1: Product details

Feature	Description
Product name	VGTRAINER
Release	2026.3
Document ID	SystemRequirements-1267-v007-001-en

System requirements

Operating system

The software supports the following operating systems:

Table 2-1: Supported operating systems

Platform	Operating System
Windows:	Windows 11 Enterprise 64 bit Windows 11 Professional 64 bit

Processor

– Minimum:
x86-64 CPU

ARM processors are not supported.

– Recommended:
Performant Intel or AMD multi-core processors, e.g., AMD Ryzen™ 9 5950X 16-core processor or Intel® Xeon® E5-2687W v3 processor, with 3 GHz or higher

RAM

Training a model with VGTRAINER requires a minimum of 128 GB RAM. The actually required size of the main memory strongly depends on the size of your task.

Please make use of our evaluation license of the software to test with your typical data sets and analyses. Contact our support team during the evaluation phase in case any questions arise.

Graphics card

– Minimum:
Dedicated built-in NVIDIA graphics cards with CUDA compute capability 7.5 or higher and at least 12 GB VRAM.

– Recommended:

Dedicated built-in NVIDIA graphics cards with CUDA compute capability 12.0 and at least 24 GB VRAM, e.g., NVIDIA GeForce RTX 5090 (32 GB) or NVIDIA RTX PRO 5000 Blackwell (48 GB).

Onboard graphics chips (integrated graphics processors) are not supported.

Make sure to have the latest driver version for your graphics card installed.

Display

The minimum resolution is 1400 x 1050 at 100% scale; the recommended resolution is 1920 x 1080 at 100% scale.

The actual display resolution results from the display scale multiplied by the minimum resolution. This means that for a display scale of 200%, you should use a display resolution of at least 2800 x 2100.

VGTRAINER supports 4K monitors.

Swap space

The available swap space should have the same order of magnitude as the RAM. If available, we recommend that you place the swap partition on an SSD.

Deactivating the swap space may cause the system to crash.

Disk space

Training data with VGTRAINER requires an SSD with a minimum of 1 TB disk space. The actually required disk space strongly depends on the size of your task.

User rights

Make sure every user either has user or administrator rights. The license might not work on guest accounts.

Running several instances of the software

Problems may arise when you run more than one instance of the application.

Typical problems involve the user interface, such as incomplete or misplaced interface elements or errors in the display of images. User settings like presets or workspace layout may inadvertently be overwritten. Processor capacity, graphics card memory, and main memory will be shared between instances of the application and may prove insufficient. This may result in dramatically low system performance or even application crashes, especially if parts of the information need to be swapped to disk due to high memory consumption.

Virtual machines

Use on virtual machines is only possible using floating licenses. Virtual machines must meet the same hardware and operating system requirements as physical machines and provide access to a dedicated GPU.

Third-party software

Floating licenses

Floating licenses need to be installed using the FlexNet Licensing Server. During installation of the FlexNet Licensing Server, Java Runtime Environment 17 or later (64-bit version) or OpenJDK 21.0.2 (64-bit version) is required, which is not part of the license or installation package.

The installation of the FlexNet Licensing Server requires a 64-bit version of Java Runtime Environment or OpenJDK.