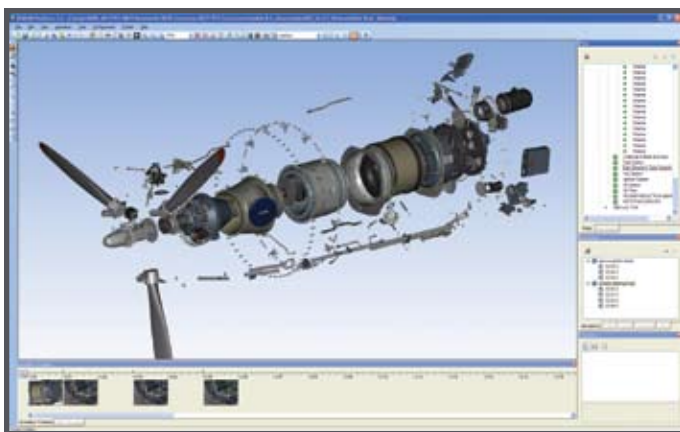


# NGRAIN® PRODUCER® 4.2

RAPIDLY CREATE 3D ANIMATIONS AND PRACTICE TASKS

NGRAIN® Producer® is an easy-to-use tool designed to empower Microsoft® Office users to produce 3KO® (3D Knowledge Object™) files — interactive 3D simulations that contain and visually communicate knowledge about the equipment systems they represent. No 3D expertise, coding, or scripting is required. Anyone can learn to create 3D animations and interactive tasks with Producer within two days, dramatically reducing the time and cost to create and update 3D simulation content.

## PRODUCT FEATURES



NGRAIN Producer 4.2 | Create procedural animations

### CREATE PROCEDURAL ANIMATIONS

With Producer’s easy click-and-capture story board process, rapidly create and update animations that include the following interactions:

- ▶ Removing and replacing sub-assemblies and parts
- ▶ Moving, rotating, highlighting, and hiding/showing parts
- ▶ Showing parts in x-ray, context, or line drawing views
- ▶ Performing multiple cross-sections
- ▶ Creating callouts using custom styles
- ▶ Connecting 2D shapes to 3D parts including animations of 2D shapes

As well, quickly:

- ▶ Create instant duplicate or reverse animations
- ▶ Export animations (with audio) to video

### CREATE PRACTICE TASKS

Using Producer’s enhanced drag-and-drop story board, quickly create and update real-time practice tasks. Each step can include:

- ▶ Real-time removal or install of sub-assemblies or parts
- ▶ Animations that show steps or part movements
- ▶ Multiple choice or short answer questions
- ▶ Automated custom start, failure, and success actions and messages
- ▶ A specified number of failed attempts allowed

As well, specify task preferences:

- ▶ Fine tune task difficulty by enabling/disabling support features
- ▶ Choose to display task steps below the viewing window or on the side
- ▶ Automatically change the path through a task based on end user actions

#### NEW WITH PRODUCER 4.2: “CREATE TASK WIZARD”

Producer users can now generate practice tasks based on existing animations, speeding up the creation of tasks. Generated tasks can include dynamic transitional animations in between Task Steps, and multiple levels of automated feedback.

## WHY NGRAIN?

NGRAIN makes 3D attainable, while delivering unparalleled real-time virtual hands-on interaction with 3D equipment simulations. With NGRAIN, SMEs can easily update, integrate, and distribute 3D simulations, sending them over the Web to everyday desktop, laptop, and tablet computers. NGRAIN solutions are proven to accelerate training and improve first-time-right performance, transforming novices into experts.

For more information on how the military is using NGRAIN to improve training and optimize operations, contact NGRAIN at [sales@ngrain.com](mailto:sales@ngrain.com) or visit the Resources section of our website at [www.ngrain.com/resources](http://www.ngrain.com/resources).

**SIMPLE TO USE, SIMPLE TO LEARN, NGRAIN PRODUCER DOES NOT REQUIRE 3D GRAPHICS EXPERIENCE OR PROGRAMMING.**

## ADD PARTS INFORMATION AND HYPERLINKS

Enrich 3KOs with parts information and links:

- ▶ Edit the parts list and hierarchy
- ▶ Create custom part labels and values for each sub-assembly or part
- ▶ Change part attachment relationships
- ▶ Enhance realism with part constraints and pivot points
- ▶ Create hyperlinks from each part or assembly to 3KOs, Web pages, and documents

## EDIT GEOMETRY

Modify 3KO geometry to meet quality and performance goals:

- ▶ Update color and material settings
- ▶ Export to lower resolutions
- ▶ Create multi-resolution models

## MANAGE LEGAL STATEMENTS & PROTECT CONTENT

3D data in the 3KO format cannot be reverse engineered, ensuring the protection of Intellectual Property.

Additionally, with Producer:

- ▶ Password-protect 3KOs to prevent unauthorized modifications
- ▶ Automatically detect unauthorized modification, corruption, or tampering
- ▶ Track and force the display of copyrights, viewing restrictions, and other information

## PUBLISH 3D SIMULATIONS WITH EASE

- ▶ Create multiple configurations within each 3KO
- ▶ Specify NGRAIN® Viewer user interface settings
- ▶ Publish auto-generated HTML pages
- ▶ Insert 3KOs into Microsoft® Word documents, PowerPoint® slides and Adobe® PDFs
- ▶ Create 2D images from 3KOs (BMP, JPEG, TIFF, or PNG)

## INTEGRATE WITH LEARNING MANAGEMENT SYSTEMS

- ▶ Leverage SCORM Wizards to publish 3KOs as SCORM-conformant Sharable Content Objects (SCOs)
- ▶ Launch and track SCOs with industry standard learning management systems
- ▶ Deliver student progress tracking data to the LMS

## COMMUNICATE WITH OTHER APPLICATIONS

Using the NGRAIN Integration Kit, leverage NGRAIN's extensive Application Programming Interface to set up a two-way communication with third-party systems:

- ▶ Access NGRAIN Integration Kit documentation
- ▶ Review sample applications and code snippets
- ▶ Use either VBScript or JavaScript™ to communicate with the NGRAIN Viewer

## OPTIMIZE 3D SIMULATIONS FOR WEB DEPLOYMENT

- ▶ Experience small file sizes and accelerated file loading
- ▶ Enable progressive transmission of data over the Web
- ▶ Set animation loading options to optimize performance



**SOLUTION PARTNER**

## MINIMUM SYSTEM REQUIREMENTS

32- OR 64-BIT COMPUTERS MUST HAVE THE FOLLOWING OR LATER:

- ▶ Microsoft® Windows® XP Professional SP3, Windows Vista® SP2, or Windows 7 operating system
- ▶ Microsoft® Internet Explorer® version 7.0
- ▶ Microsoft® .NET Framework 2.0 SP2
- ▶ Microsoft® Windows® Installer 3.1
- ▶ 1024 x 768 display resolution
- ▶ 16- or 32-bit display color depth

Performance is related to computer processor speed and memory and to the complexity of the 3D model. 512 MB of RAM and a 1.4 GHz processor is the minimum. Performance will be improved most by adding additional RAM.

**NGRAIN Producer 4.2 takes full advantage of multi-core processors.**



For more information, or to request a demo, email [sales@ngrain.com](mailto:sales@ngrain.com) or call 1.866.420.1781 today.

[www.ngrain.com](http://www.ngrain.com)