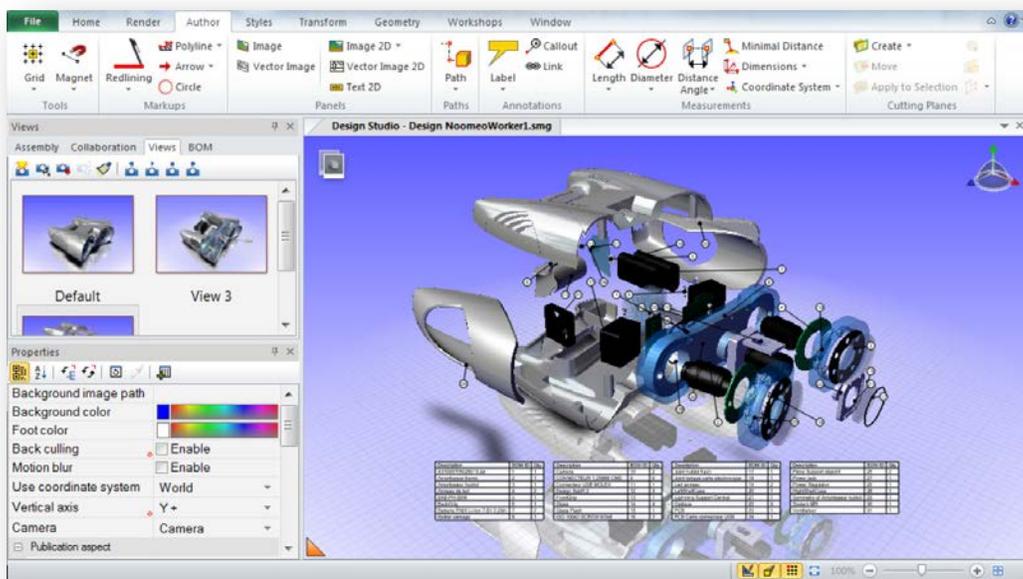


3D VIA | Composer

V6R2013 - FACT SHEET

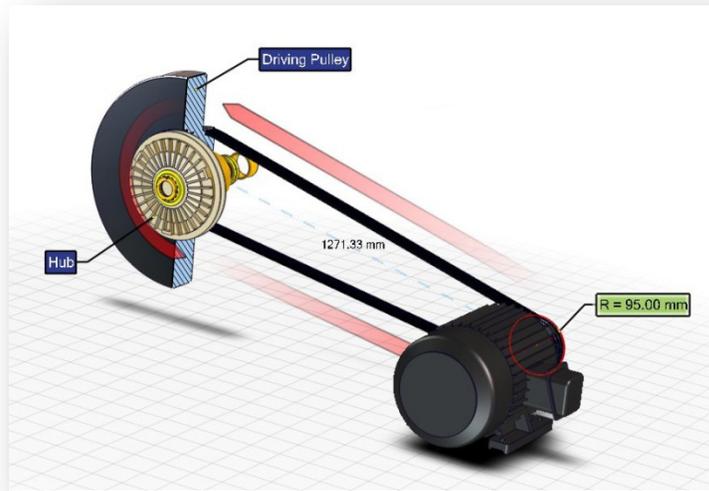
“Add a New Dimension to Your Product Communications.”



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3DVIA Composer: *VALUE AT A GLANCE*



Today's product developers are cutting costs, saving time, and growing their competitive advantage with 3DVIA Composer, the next generation of 3D content authoring software. A flexible and easy-to-use desktop content creation system, 3DVIA Composer streamlines the creation of product documentation and technical illustrations. For more dynamic product communication needs, 3DVIA Composer also provides a highly efficient platform for creating animated 3D assembly and maintenance instructions, and interactive marketing communications.

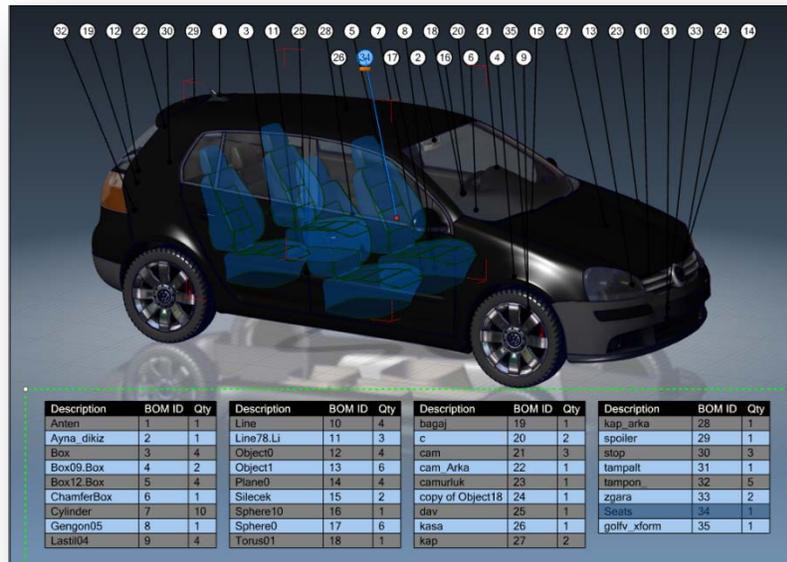
Based on a lightweight XML architecture, 3DVIA Composer allows non-technical users to create associative 2D and 3D product deliverables directly from CAD data. By leveraging existing product designs, 3DVIA Composer enables product deliverables to be initiated earlier and kept up to date automatically, helping to lower costs and improve time-to-market.

Through the power of interactive 3D, manufacturers can produce technical product communications that help partners and customers understand and retain information more effectively.

3DVIA Composer V6

- Extend 3D content manipulation to new users, businesses, and consumers.
- Provide authoring tools that deliver 3D lifelike experiences.
- Enable on-line distribution of content leveraging the DS online infrastructure.
- Create new communities of content creators and consumers using 3D as the common language.
- Leverage the 3D product design; add relevant content to support documentation for technical publications, product training guides, product service and maintenance manuals, and assembly instructions.
- Connect rich information from ENOVIA databases into 3DVIA Composer using the power of ENOVIA 3DLive.

3DVIA Composer: *OVERVIEW*



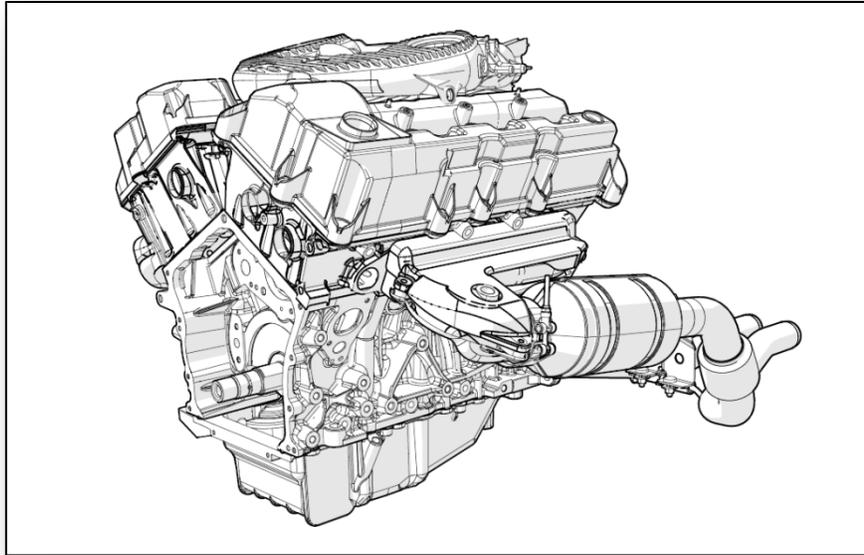
3DVIA Composer revolutionizes the ability for enterprises of all sizes to communicate technical product information. With its easy-to-use desktop content-creation system, 3DVIA Composer quickly and easily automates creation of technical illustrations, interactive 3D animations, assembly and disassembly procedures, training applications, sales and marketing tools, and more.

Immediate productivity with long term value

3DVIA Composer allows non-technical users to create associative 2D and 3D product deliverables directly from digital product data.

Easy to learn and use, 3DVIA Composer is an ideal complement to content-creation tools end-users are already familiar with, such as Microsoft® Office® applications, HTML, and PDF.

3DVIA Composer ties together desktop and enterprise systems for both content consumers and content creators. Because it is an XML-based architecture, 3DVIA Composer is easily integrated with any enterprise information system, including product lifecycle management (PLM) and enterprise resource planning (ERP) applications.



A complete system for maximum productivity

3DVIA Composer streamlines the creation of technical product communications including 3D product documentation, technical illustrations, animated maintenance instructions, interactive product visualizations, and marketing communications. 3DVIA Composer does not require CAD knowledge or training. Intelligent views permit complex product procedures to be effectively communicated using minimal text. Views can be annotated and labeled according to user specifications. In addition, 3DVIA Composer permits the creation of styles which can be applied to any content to ensure visual consistency.

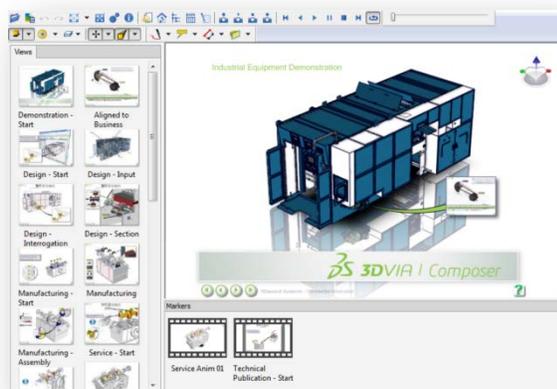
Animations including kinematics and reverse-kinematics, as well as high-resolution raster images including BMP, JPG, PNG, and TIF files, can be created easily. Producing 2D line art as SVG and CGM files is a snap with 3DVIA Composer's built-in technical illustration capabilities.

Product information stored in ENOVIA systems can be directly accessed using the power of ENOVIA 3DLive. 3DVIA Composer users can intuitively navigate and filter the exact 3D product configuration stored in ENOVIA, and use it to create and update their 3DVIA Composer documentation projects.

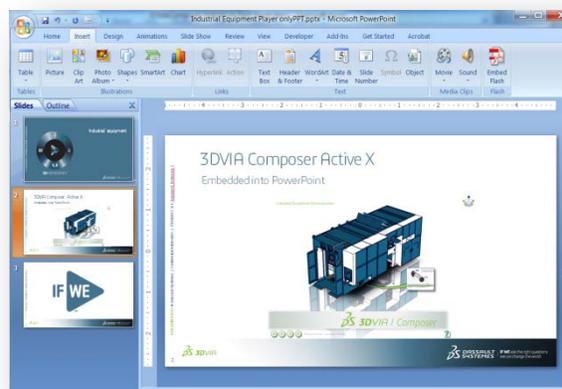
3DVIA Composer allows users to control and manage access to their intellectual property. With "Right Manager" settings, content creators can manage access control when playing content with 3DVIA Composer Player and can also use patented "Secure3D" technology to prevent copying or theft of the intellectual property.

Interactive content can also be directly published to 3DVIA.com where the users can experience the content on-line.

3DVIA Composer Player is a free utility that allows distribution of 3DVIA Composer content to end-users. More than a simple viewer, 3DVIA Composer Player offers the ability to provide customers and partners with an interactive 3D product experience.



3DVIA Composer Player



3DVIA Composer Player ActiveX



3DVIA Composer Player Plug-in for Adobe Reader

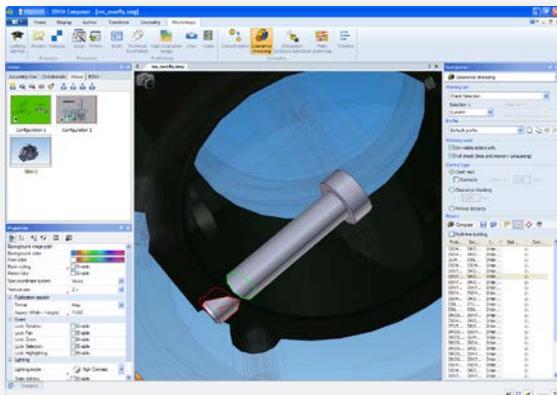
3DVIA Composer Player Pro provides a very powerful applications programming interface (API) to the 3DVIA Composer Player. 3DVIA Composer Player Pro offers the ability to query, manipulate, interact, and display -- in real time -- 3DVIA Composer content integrated with data originating from external sources. This enables the development of 3D interactive custom applications; creating lifelike experiences anywhere the 3DVIA Composer Player can be used.

3DVIA Composer Player Pro is the only authorized method for “enterprise deployment” of advanced ActiveX applications within a controlled environment where computers accessing the application are sharing the same network.

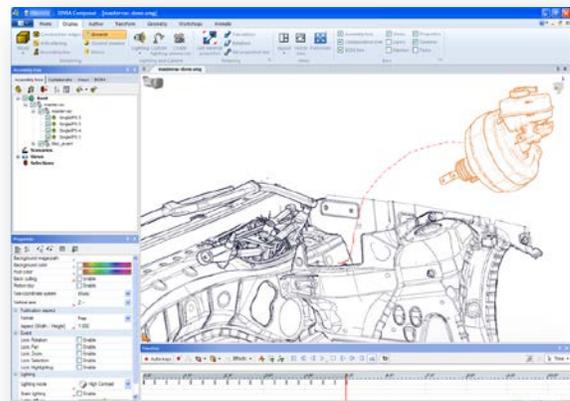
3DVIA Composer Player Pro Publishing provides a publishing solution for situations where a 3DVIA Composer Player Pro “Enterprise Deployment” is not possible, such as when an application is distributed via portable/removable media, web portals, or the Internet. In such cases, a "Publishing Deployment" can be offered through the 3DVIA Composer Player Pro Publishing agreement and order form. The Publishing Deployment mechanism provides the licensee with a special programmatic handshake with the embedded ActiveX controls, removing the need for the end users to have a 3DVIA Composer Player Pro license.

3DVIA Sync and **3DVIA Enterprise Sync** deliver sophisticated, XML-based associativity between 3DVIA Composer and any number of enterprise systems. With 3DVIA Sync, changes in metadata, geometry, BOMs, or manufacturing information can be updated on the desktop in 3DVIA Composer deliverables, guaranteeing accurate and consistent information. 3DVIA Enterprise Sync offers all of the capabilities of 3DVIA Sync plus the ability to control the processes through a command-line interface, allowing sophisticated integrations to be implemented very quickly.

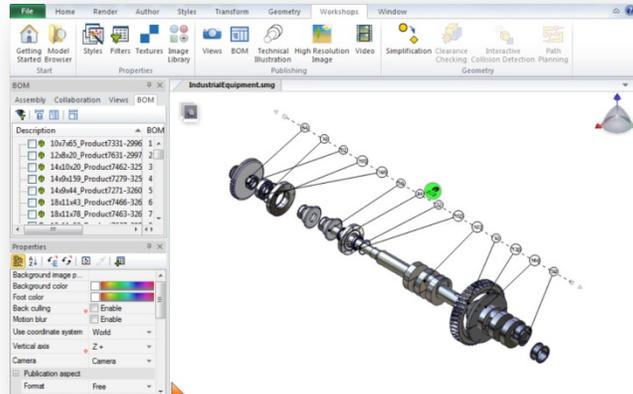
3DVIA Check and **3DVIA Path Planning** make product deliverables more useful and instructive by validating procedures that can be performed in the real world. 3DVIA Composer Check offers dynamic and static clash detection, allowing users to quickly qualify service and assembly procedures. 3DVIA Path Planning delivers the ability to automatically create complex assembly and disassembly paths for parts to avoid collisions with the main assembly, reducing training needs while avoiding costly damage to sensitive parts.



3DVIA Composer Check



3DVIA Composer Path Planning



Quick Magnetic Line Alignment: The 3DVIA Composer magnetic line tool makes it possible for users to easily align collaborative actors such as callouts and images. In V6R2013, the magnetic line has been enhanced with an alignment button that allows users to more quickly align with an alignment access, further streamlining the content creation process.

New Advanced Application Settings: To help maximize performance, 3DVIA Composer V6R2013 offers a new series of advanced application setting options. Each new application setting is designed to offer more precise control over 3DVIA Composer behaviors and content development, making it possible for users to better define their content authoring processes.

- **MergeKeepDraws:** Improve performance of geometrical operations on geometry resulting from merging geometry.
- **AdvancedCurvesDetection:** Increase the precision of radius measurements and improve detection for models with very high tessellation.
- **VertexWelding:** Specify the distance between vertices as a percentage of an actor's bounding box for which 3DVIA Composer considers them to be the same and merges them. This option helps remove extra lines (including in vector output) in outlines caused by small holes in the mesh.
- **IOVRMLExportWriteNormals:** When saving as VRML, this setting writes normal directions for all faces to VRML (.wrl) files. To produce smaller files with normals omitted, this option can be cleared.
- **IOVRMLExportZIP:** When saving as VRML, this setting creates compressed VRML (.wrl) files.
- **Properties ValueNbOfDecimal:** Specify the number of decimal places displayed in floating-point values in the Properties pane.

Disable Document Property and Application Preference Modifications:

Administrators can now restrict which document properties and application preferences team members can modify by disabling (making read-only) Document Properties, Default Document Properties, and Application Preferences pages. As a result, administrators gain precision control on deployments of 3DVIA Composer, helping to prevent inadvertent changes to approved settings.

DisableMatchingProperties Precedence Change: Enforce established property-modification settings across 3DVIA Composer networks using DisableMatchingProperties. This handy feature helps administrators ensure that established preferences always override user settings as defined on the Application Preferences – Advanced Settings page. Establishing settings across multiple licenses of 3DVIA Composer helps ensure that inadvertent changes to user settings do not adversely impact deliverables.

