AUTOVUE FOR AGILE VISUALIZATION SOLUTIONS

KEY FEATURES AND BENEFITS

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- Seamless integration with Oracle Agile PLM
- View hundreds of 2D, 3D, ECAD and Office document types without requiring authoring applications
- Web-based solution keeps IP under control
- Add redline markups
- Compare, section, and explode assemblies
- Take precise measurements
- Perform 3D entity searches
- Access embedded PCB data
- Cross-probe between a PCB layout, its related schematic, and 3D PCB
- Hold real-time collaboration sessions via the web
- Create thumbnails of files in Agile PLM
- Print headers, footers, and watermarks

KEY BENEFITS

- Enable profitable innovation by facilitating design and parts reuse
- Drive faster, better decisions with in-context access to visual product information
- Enable contribution of extended teams to the innovation process
- Streamline NPI / NPD process by expediting design reviews and approvals
- Collaborate with global teams and partners without jeopardizing intellectual property
- Optimize change management by connecting redline markups to ECOs
- Support compliance initiatives with better visibility/ traceability and improve product quality
- Reduce license and training costs
- Reduce errors and accelerate time-to-market

Oracle's AutoVue for Agile Enterprise Visualization solutions deliver best-in-class document and CAD (MCAD and ECAD) visualization and collaboration capabilities directly within Oracle Agile PLM. Agile PLM customers can choose between two AutoVue for Agile solutions; AutoVue 2D Professional for Agile or AutoVue Electro-Mechanical Professional for Agile, depending on their product document visualization requirements. With AutoVue for Agile solutions, companies can enable visual decision-making across the product lifecycle and simplify end-to-end design to manufacturing. They can also optimize new product development and introduction, as well as change management processes, and enable more efficient collaboration with global supply chain partners without jeopardizing critical intellectual property.

Drive Profitable Innovation with Access to Product Information

AutoVue for Agile solutions make engineering and product information, including 3D/2D CAD, ECAD, Graphics, Office and PDF documents, available to stakeholders, regardless of their technical skills and without requiring costly authoring applications. With visualization enabled within Agile PLM, teams are guaranteed access to in-context visual information within their specific business processes and are connected sooner in the new product introduction (NPI) / new product development (NPD) process. This allows for better business decisions based on reliable information and enables teams typically underrepresented during the innovation process, to easily participate and contribute feedback on product data early in the development cycle.

Communicate with Global Teams and Partners without Risking IP

Collaborating with global partners without putting product information at risk is an enormous challenge. AutoVue for Agile solutions allow users to collaborate with extended teams and outsourced partners on product documents without risking their valuable intellectual property (IP). AutoVue's unique streaming technology provides access to the full intelligence of documents without transferring original files to the client desktop; originals never leave the server, and no local temp or cache files are created in the process, ensuring that a company's IP remains protected at all times.

Expedite Design Reviews and Streamline Change Management

AutoVue for Agile solutions facilitate collaborative design to manufacturing, minimizing engineering changes and enabling teams to get products right the first time. By leveraging AutoVue for Agile's visualization and redline markup capabilities within Agile PLM, extended teams can capture and visually

communicate comments, feedback and proposed changes directly within the context of designs. Design defects and all changes can be effectively communicated, accelerating the design review process and reducing errors resulting from misunderstandings or misinterpretations. AutoVue redline markups can even be associated to ECOs (engineering change order) within Agile PLM, ensuring that changes are correctly communicated to all stakeholders. Additionally, by leveraging AutoVue for Agile's compare capability, users can be assured that requested changes have been made to designs, allowing them to get products to market faster.

Accelerate Time-to-Market with Real-Time Global Collaboration

AutoVue for Agile's built in real-time collaboration capabilities, help organizations to connect everyone in the global enterprise. Co-workers and partners alike can communicate and simultaneously review and markup documents, exchange ideas, and resolve design issues in real time. For example, during the creation of operational method sheets (OMS), which provide step by step instructions to the shop floor, designers and manufacturers can leverage AutoVue for Agile to discuss changes or issues in real-time. This ensures correct understanding of instructions and design intent, helps to shorten lead times, and accelerates time-to-market.

Compliance with Regulatory Requirements

Customers in heavily regulated industries always look for ways to better comply with industry and corporate regulations. AutoVue for Agile can help customers achieve these goals and reduce the time spent in meeting these requirements. By respecting Agile PLM's permission settings, AutoVue for Agile ensures that only authorized users have access to documents, as well as the ability to create redline markups, improving traceability and reducing audit times. AutoVue also automates the extraction and inclusion of metadata onto printed documents, so information such as when a document was produced, its expiration date, and status, are captured in headers, footers and watermarks of documents printed with AutoVue.

General Features and Capabilities

Two AutoVue for Agile solutions. Organizations can choose between two AutoVue for Agile visualization solutions depending on their product document visualization requirements. ***AutoVue 2D Professional for Agile*** delivers viewing, markup, and printing support for Office, Graphics, PDF, and 2D CAD document types. ***AutoVue Electro-Mechanical Professional for Agile*** delivers support for the aforementioned formats in addition to 3D CAD and ECAD document types. The MCAD and ECAD features described below are available in this version.

View hundreds of document types. AutoVue for Agile solutions deliver native document viewing for hundreds of document types including 3D models, 2D drawings, PCBs layouts & schematics, Office and PDF files - without the authoring software and without undergoing costly and error-prone document conversions.

Add redline markups. Agile PLM users can add redline markups to documents so they can capture, communicate and track comments directly within designs. These can even be associated to ECOs within Agile PLM, ensuring that changes are

correctly communicated to stakeholders within the appropriate business context.

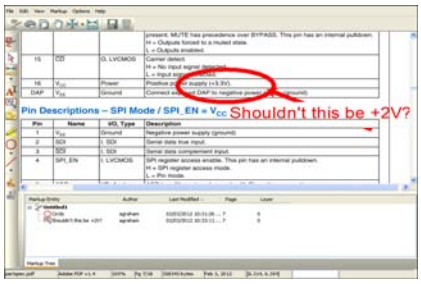

Figure 1: Add redline markups and comments to product documents and designs

Secure viewing. AutoVue respects Agile access control settings and original files never leave the server keeping valuable IP protected at all times.

Compare designs. Determine what has been added, removed or unchanged in designs. Compare different versions of 2D drawings, ECAD files and 3D assemblies (and detect changes to non-graphical attributes on 3D parts or assemblies).

Create thumbnails. Thumbnails auto-generated by AutoVue for Agile enable visual browsing in PLM and allow for easy navigation of large product structures and identification of files.

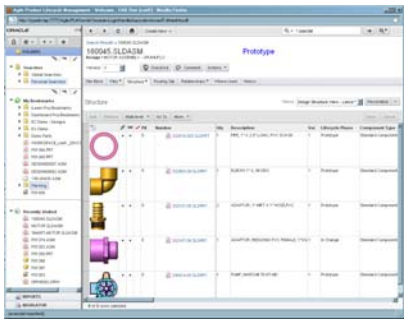

Figure 2: Auto-generate thumbnails in AutoVue for Agile solutions

Precise 2D, 3D and ECAD measurements. Speed up design reviews by performing precise measurements including distance, areas, angles, arcs, and more.

Advanced printing. AutoVue for Agile solutions enable document printing in Agile PLM. Include metadata in headers, footers, watermarks for better document control.

Key MCAD Features and Capabilities

Create exploded views. Explode complex 3D assemblies to get to the component level faster and create clear illustrations for control documents, such as assembly and maintenance instructions.

Section 3D models. Cross-section assemblies to draw attention to internal structures and assembly relationships or measure dimensions within individual parts.

View 2D drafts. Access the 2D drafts associated with 3D models.

Perform 3D entity searches. Quickly find the information you need by searching

ENHANCE AGILE PLM WITH AUTOVUE'S AUGMENTED BUSINESS VISUALIZATION (ABV) FRAMEWORK

AutoVue also delivers an Augmented Business Visualization (ABV) framework, which enables the connecting of portions of documents back to business data in enterprise applications. When integrated with enterprise applications such as Agile PLM, it helps organizations create rich and actionable visual decision-making environments, making it easier for users to consume and understand data in the specific context of business processes. For example, by leveraging the ABV framework, Agile PLM users can create ECRs by clicking on parts directly from drawings. With ABV information from multiple sources is reconciled and presented in a single visual environment.

AUTOVUE FOR AGILE PRODUCTS

- AutoVue 2D Professional for Agile
- AutoVue Electro-Mechanical Professional for Agile

and filtering for parts in a 3D assembly based on a variety of native file attributes.

Combine various 3D parts: View assemblies consisting of parts authored in various CAD systems in a single visual environment.

Share product manufacturing information (PMI), geometric dimensioning and tolerance (GD&T), and functional tolerance annotation (FTA) data. AutoVue delivers support for PMI, GD&T, and FTA data. Manufacturing personnel can instantly access, view, and review important product specifications and ensure that products are manufactured in compliance with design engineering's intent.

Key ECAD Features and Capabilities

Access embedded intelligence in PCBs. Access intelligence in a PCB by querying for attributes of traces, nets, components, and geometry library objects.

Combine 3D & ECAD parts. Synthesize information from multiple MCAD and ECAD systems in a single visual environment to verify product manufacturability.

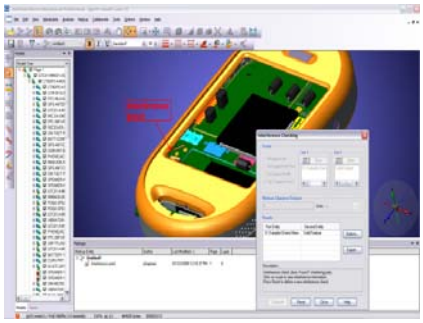

Figure 3: Combine 3D parts and ECAD designs into a single digital assembly

Cross-probe between a PCB layout, its related schematic, or 3D PCB. Facilitate design reviews and accelerate design verification with powerful cross-probing. Select a net or component in a schematic and it is instantaneously located and highlighted in the layout, or vice versa. Easily find all occurrences of a particular component or net and navigate between them.

Access entity properties. Access important entity information without having to drill down into an entity's details. Entity properties are instantly displayed by hovering the mouse over a specific element of a schematic or PCB layout.

Search for ECAD elements. Search for multiple components, nets, pins, vias, devices, or parts based on a variety of attributes, keywords, and values.

Contact Us

For more information about how your organization can leverage the power of Oracle's AutoVue for Agile Visualization Solutions please visit http://www.oracle.com/us/products/applications/autoVue/index.html, or email autovuesales_ww@oracle.com.