EASILY CREATE INTERACTIVE 3D WORK INSTRUCTIONS

Are you ensuring that operations run smoothly and that assembly is completed correctly and on time?

Do you face major challenges trying to communicate complex procedures to workers in remote facilities and ensure safety?

Do you find that traditional methods just don't work, cause endless rework and are laborious, costly and error-prone?

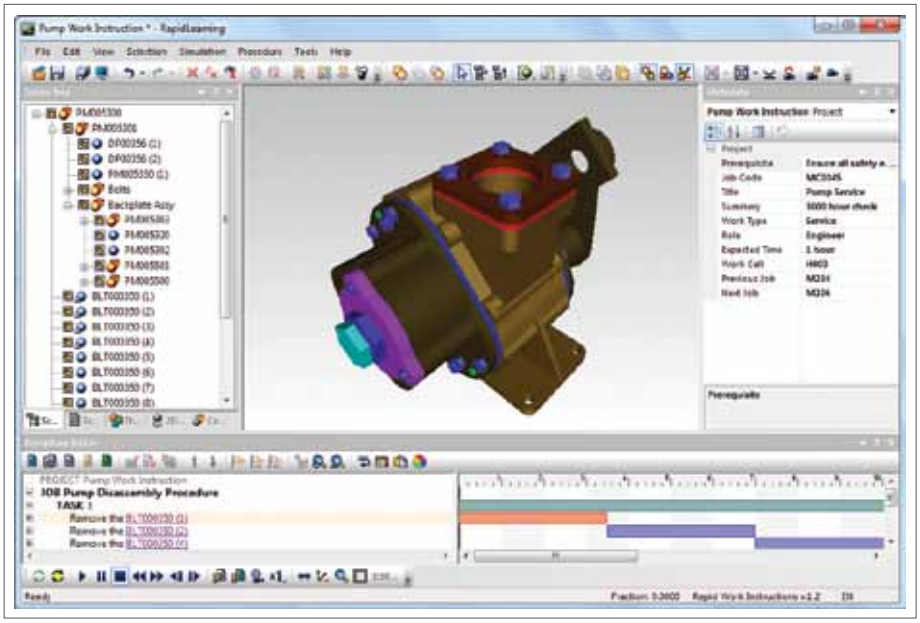
Cortona3D RapidWorkInstruction is the first 'out of the box' toolkit for fast and easy production of digital interactive work instructions, job cards and assembly instructions. RapidWorkInstruction re-uses content direct from engineering CAD enabling the Manufacturing Engineer to quickly create the M-BOM and Bill of Process. Multiple types of information can be combined and accessed including CAD drawings, E-BOM and M-BOM, 3D models, data sheets, library parts, health and safety information, photos, etc. to ensure the work is completed quickly, correctly and safely every time.

Incorporating 3D animations ensures assembly workers, even in 3rd Party or off-shore locations, know what to do and how to do it – a visual explanation delivered in a work instruction saves time and increases effectiveness.

CREATE 3D WORK INSTRUCTIONS IN MINUTES

RapidWorkInstruction provides an easy to use, intuitive framework that allows authors to easily create interactive work instructions, with the ability to link E-BOM and M-BOM, 3D animations and associated text simultaneously.

1. Select the parts in either the Cortona3D viewer or from the parts list – easily reorganise into the M-BOM
2. Enter pre-requisite information, healthy and safety information and the choose an action from an easily extendable library of animation actions such as: "Install", 'loosen/tighten', 'disconnect/connect'
3. Timelines, actions and viewpoints are easily created
4. Preview the work instruction prior to approval
5. Publish the finished work instruction as a stand-alone document or integrate into a Manufacturing Execution System.



WHO USES OUR PRODUCTS?

- Airbus
- Volkswagen
- Ford
- BMW
- Oracle
- Boeing
- US Army
- ESA
- Marinesoft

RapidWorkInstruction

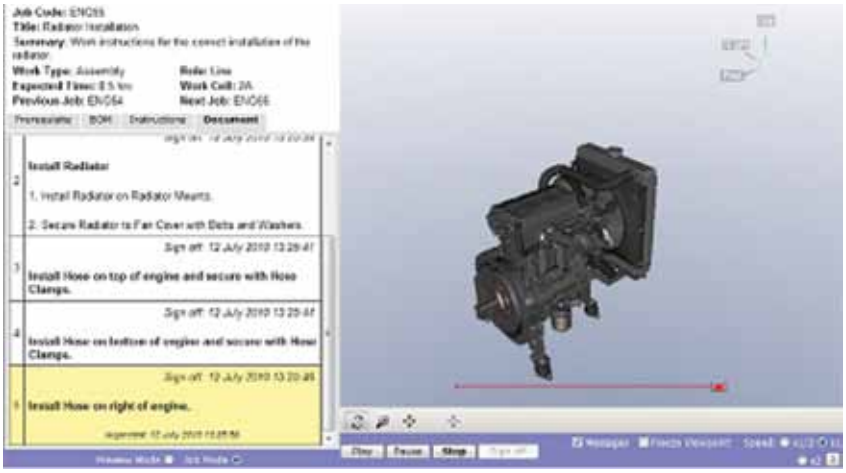
Deliver accurate and up-to-date work instructions much faster at a fraction of the cost

BENEFITS AT A GLANCE

- **Single Authoring Tool to produce Work Instruction.** Bring data in, produce documentation, publish output from a single authoring tool makes the production of work instructions simpler, easier and saves time to create and update.
- **Cut costs.** Reduce total cost of ownership. Why create new visuals for work instructions when you already have applicable illustrations and data? Reusing existing Design, MBOM or Text Data is more efficient, improves user comprehension and reduces costs.
- **Improve Quality of Work Instructions.** The availability of standard, consistent and up-to-date information removes the need to rewrite documentation by allowing reuse of existing texts and 3D data.
- **Reduce End-User training time.** Using integrated and synchronised Text and 3D Graphics increases end-user effectiveness and significantly decreases end-user training time and cost. A 3D visual explanation delivered in a work instruction removes operator confusion and costly translation.
- **Easy and cost effective web based distribution.** The availability of multiple formats including HTML, PDF enables a cost effective distribution of the work instructions and ensures all information is immediately accessible across the world, even in 3rd Party or off-shore locations.

WHAT'S THE RESULT?

More visual, more effective work instructions, job cards, assembly instructions that save time and money for manufacturing, servicing, repairs, and delivers a better 'total product'.



FEATURES

- No 3D or CAD technology know-how required
- Comprehensive job tracking information with M-BOM parts
- Reuses imported CAD data
- Preview and job modes with sign-off logging function
- Language-based animation commands
- Step-based authoring synchronised with text
- Reuses existing document text
- ISO open standard enables seamless integration with other applications
- Lightweight format enables delivery via the Web, intranet, using laptop or Pocket PC
- Multi-media support for images, text, spreadsheets & 3D models
- Web based distribution of work instructions or printed documents (if required)
- Standalone operation or can be integrated with ERP, PLM and/or MES systems

SYSTEM RECOMMENDATIONS

- I PC with Intel® Core™ Duo, Intel® Core™ 2 Duo, or AMD Athlon™ 64 X2 Dual-Core processor.
- 1.5 GHz microprocessor or higher RAM: 1024 MB minimum
- Microsoft Windows XP Service Pack 3 (SP3), Microsoft Windows Vista Service Pack 2 (SP2), Microsoft Windows 7, Internet Explorer 8.0 or a later
- Additional software: Microsoft XML Core Services (MSXML) 4.0
- Microsoft DirectX® End-User Runtime 7.0 or a later version

Cortona3D

Cortona3D provides 3D visual knowledge software to streamline the authoring of technical communications. **Cortona3D** open standards authoring tools give subject matter experts the power to create interactive, animated 3D product documentation such as maintenance manuals, parts catalogs and interactive training from existing CAD assets rapidly. Proven benefits are three times faster production, 60% cost savings, and improved quality. Customers include Boeing, Ford, GE, Bosch, ESA and Airbus.

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