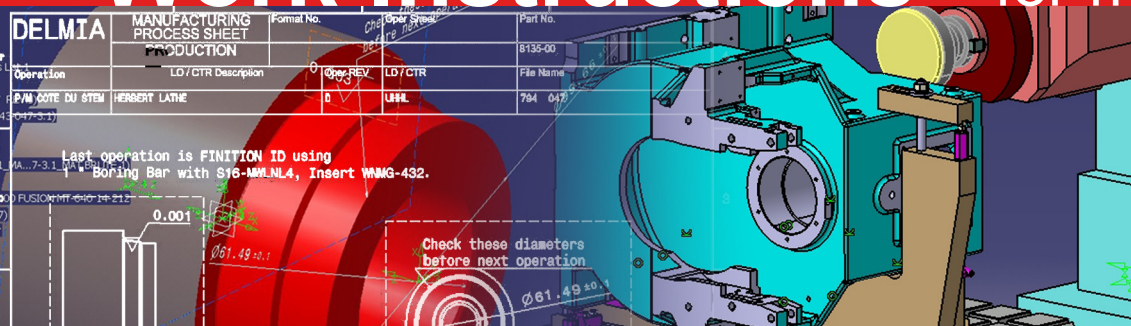


# Work Instructions™ for machining



*Fast and easy to deploy  
V5 Solution for machining  
work instruction documents*

## *Generate Machining Work Instructions Automatically from 3D Design Data*

DELMIA V5 DPM Work Instructions for the machining domain automatically generates machining work instructions directly from CAD data, freeing up critical personnel and reducing the time required to generate machining work instruction documents.

Traditionally, machining work instructions are created manually within a CAD environment as part of the workflow, reducing the amount of time spent on actual design engineering tasks. Then, when there is a change in the design or the manufacturing process, all the documents would need to be manually recreated. This resulted in additional time spent on non-engineering functions. DELMIA V5 DPM Work Instructions frees up this time, allowing the design engineering group to be more productive and to reduce costs. Users can associate assembly simulations and work instructions to 3D geometry and automatically regenerate documents when the geometry changes, saving valuable engineering time.

## *Delivering Accurate and Advanced Support for the Machining Worker*

An investment in engineering is completely leveraged only when the data is properly communicated throughout your workforce. DELMIA V5 DPM Work Instructions for machining provides easy-to-use work instruction authoring tools to document and deliver this valuable engineering data to the machining work force.

DELMIA Work Instructions authoring provides companies the flexibility to move from traditional 2D paper based instructions to using HTML to create instructions using a standard internet browser, or using 3D XML to create electronic Microsoft Office® documents. It can also create HTML pages with 3D graphics that allow the user to manipulate their view of the assembly process from within the document.

It also allows the use of electronic work instructions created in DELMA's DPM Shop solutions that provide tools for viewing electronic work instructions, interacting with 3D graphics for analysis, viewing simulations of the assembly process and interfacing with MES or ERP systems.

This capability enhances communications with outsource manufacturing operations providing a more effective way to explain and share work instructions and reduce time and money spent on site visits and training for workers to effectively complete their part of the process.

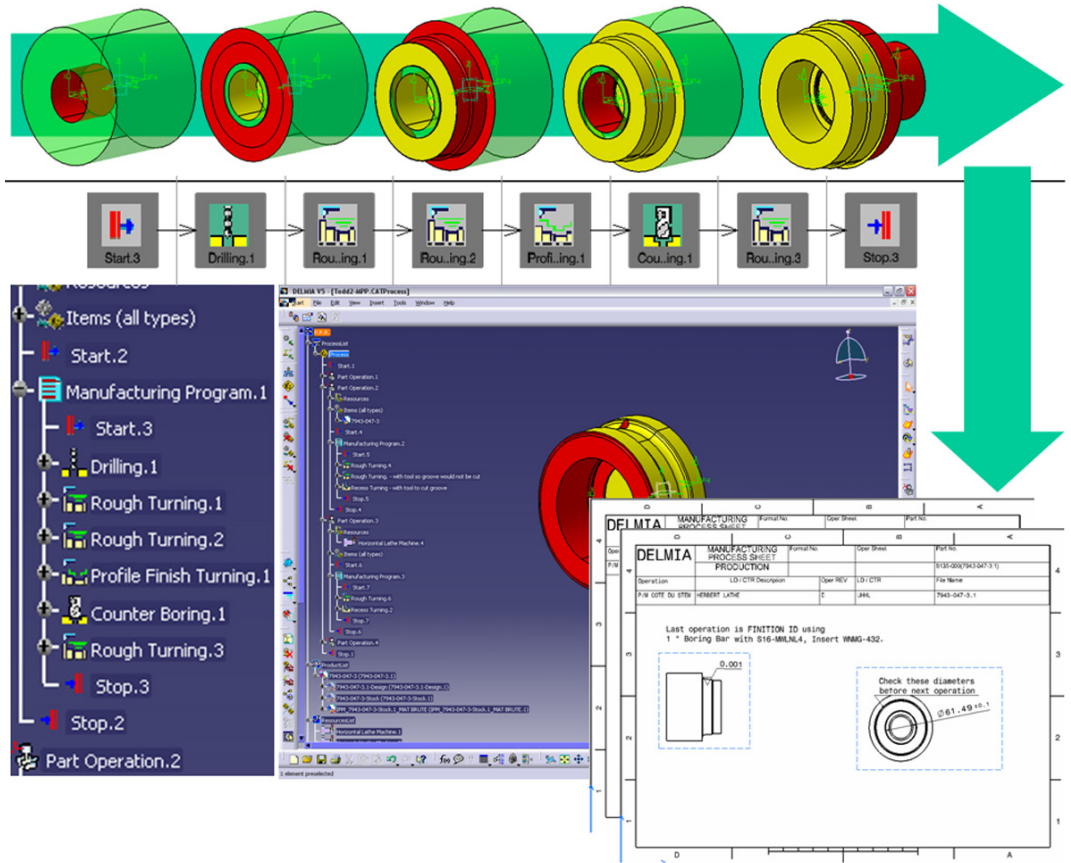
## *The DELMIA V5 Advantage*

- *Open architecture for customization and extension*
- *Reduces time to generate machining work instruction documents*
- *Reduces errors in communication with machining workers*
- *Automatically reflects all changes in geometry in work instruction documents*
- *Integrated with CATIA V4 & V5 applications*
- *Fast and easy to use*
- *Work with machining data created from other DELMIA V5 applications*

# Work Instructions™ for machining

## Key Functionality

- Create AVIs, paper style work instructions, and 3D based simulations for machining
- Automatically generate machining work instruction documents
- Associate assembly simulations and work instructions to CATIA 3D Geometry
- Regenerate documents automatically when geometry changes
- Generate 2D work instructions
- Create sequential machining operation stations representing the assembly flow
- Create HTML based instructions with embedded 3D XML product information



## Save Time, Reduce Costs and Improve Accuracy of your Work Instructions

DELMIA V5 DPM Work Instructions for the machining domain reduces your authoring time by providing preconfigured functionality to generate work instruction documents, saving valuable engineering time. Users can take advantage of the automated features to quickly and easily set up 2D instruction documents and training aids.

Cost incurred due to data changes and out-of-date work instructions is reduced by regenerating

work instructions from the most current engineering data and assists manufacturers in implementing good business practices that enforce regenerating work instructions whenever there is a change in design.

Generating work instructions from the most current data will also minimize the amount of guesswork and number of errors caused by ambiguous instructions, thus ensuring the highest level of productivity and understanding.

## ENOVIA SmarTeam Add-on

Enhance DELMIA V5 DPM Work Instructions with the TeamPDM add-on, which allows users to connect to ENOVIA SmarTeam.

Users can retrieve CAD data/Geometries directly from ENOVIA SmarTeam and save back their process and simulation information.

**For more information on Work Instruction Solutions, visit our website at:**  
<http://www.plmv5.com/v5/workinstruc.cfm>

**or contact:**