

## Teamcenter Express: Integration for Catia V5

### Capture, manage and share Catia V5 data in a preconfigured cPDM environment

#### fact sheet

Siemens PLM Software

[www.siemens.com/plm/teamcenterexpress](http://www.siemens.com/plm/teamcenterexpress)

#### ► Summary

Teamcenter® Express Integration software for Catia V5 allows you to reduce your product development cycle times and cost by enhancing your Catia V5 environment to support best-in-class collaboration within your organization and with customers and suppliers, while enabling access to a preconfigured collaborative Product Data Management (cPDM) environment to further optimize your product development process.

#### Benefits

Less time spent by your technical staff in finding the correct revisions of Catia data

Enables consistent work processes to be followed across all data formats

Faster product change and approval processes resulting in decreased time-to-market

Integrate your Catia files with all of your technical data to provide a single source of product information that supports your complete design-through-manufacturing process

#### Features

Use Teamcenter Express cPDM functions available from the Catia V5 interface

Create and edit Catia V5 models, drawings and assembly relationships

Perform partial load and load merge for efficient assembly management

Create new product revisions or version updates for work in progress

Generate drawing title blocks using Teamcenter Express attributes

Manage mechanical properties of Catia models and assemblies

On demand access to the user's Teamcenter Express workplace

Store, load and migrate Catia V4 data to V5

Teamcenter Express Integration for Catia V5 enables all the design information created in Catia V5 to be captured, controlled and shared by your organization in a single, highly secure cPDM environment, while version management and access control ensure that the right people get the right information at the right time.

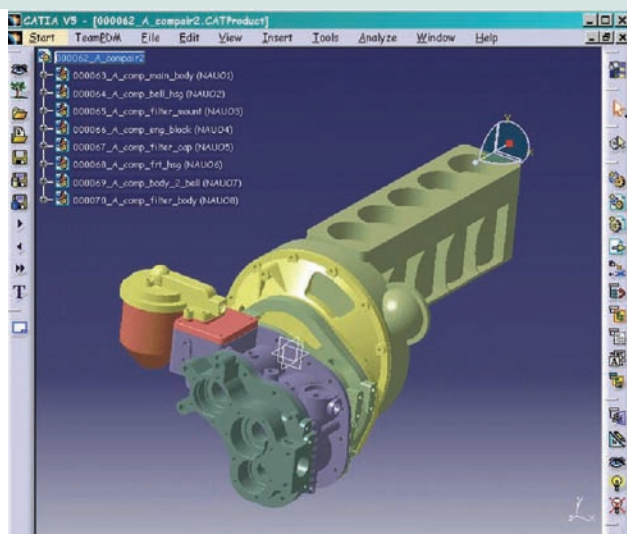
Using the Integration for Catia, design teams can quickly search and access Catia parts, assemblies and drawings to eliminate time wasted trying to find and share design information, while reducing change orders by ensuring that everyone is working from the latest design information.

The capabilities go beyond workgroup CAD data management, enabling design teams at different locations and through your supply chain to work closely together to streamline the product development process through multi-site collaboration.

#### Extend the value of Catia V5 with Teamcenter Express' preconfigured cPDM environment

*Everyday task and process management.* Teamcenter Express delivers a preconfigured cPDM environment that is focused on managing everyday tasks and processes for design through manufacturing. Industry best practice workflows for product release and engineering change are included to ensure that these processes are conducted consistently and efficiently.

*Multi-CAD collaboration.* Teamcenter Express's multi-CAD support enables design teams to create and modify component designs on any major CAD system, and assemble their innovations into a



multi-CAD product design. Teamcenter Express synchronizes the product information to ensure that everyone is working from the latest designs while automatically managing both native and neutral CAD representations.

#### Supported Catia items

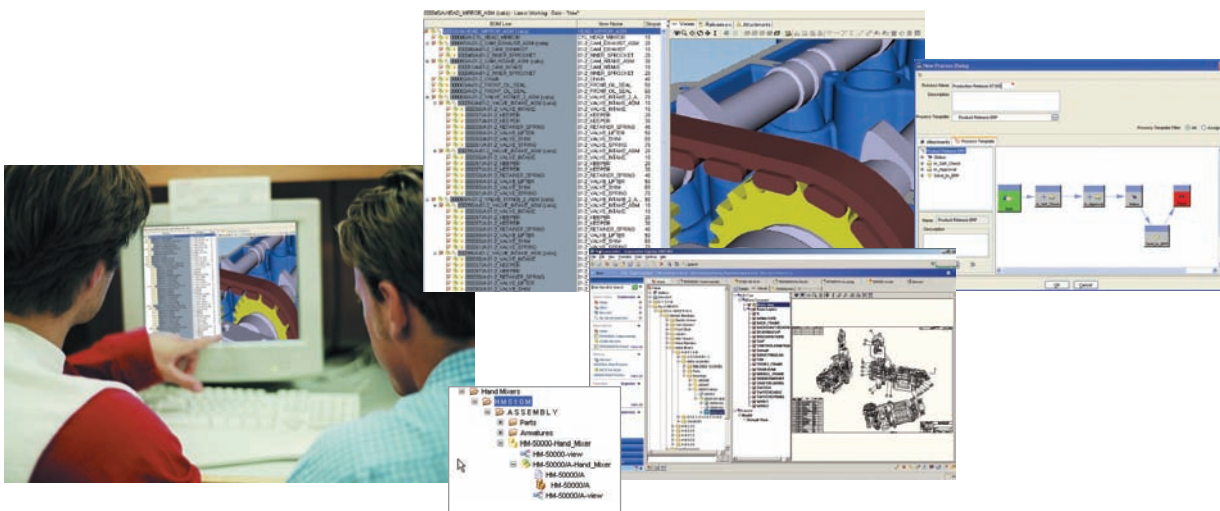
- Models (load and migrate V4 models to V5)
- CATParts (V5)
- CATProducts (V5)
- CATDrawings (V5)

#### Integration for Catia V5 – supported functions

- Load – new or merge with existing to create an assembly
- Save – as a new revision, new version, new assembly or individual items
- Save assembly – as a new revision, new version, new assembly or to create new items
- Synchronize title block using Teamcenter Express database attributes
- Proximity search for selective/partial product structure load
- Preserve and navigate multi-model links
- Create, configure and edit assemblies using Teamcenter Express and/or Catia V5
- Automatically generate and vault lightweight visualization (JT™ data format) files for digital mockup
- Save mechanical properties including volume, weight, surface area, moments of inertia
- Work with multiple Catia sessions and leverage the V5 CGR cache
- Store, load and migrate Catia V4 data to V5. To support full integration with Catia V4 running on Unix clients, an upgrade to Teamcenter Engineering is required
- Workspace – access Teamcenter Express workspace and functions such as search and retrieve, where used, check-in/check-out, view and workflow

#### The Teamcenter advantage

Teamcenter Express is a configuration of Teamcenter Engineering and an entry point into the Teamcenter product line. Teamcenter is the world's most widely deployed PLM system, and is backed by Siemens PLM Software's leadership in delivery. Users of Teamcenter Express can easily expand the scope of their cPDM implementation by taking advantage of Teamcenter's comprehensive portfolio of applications and its proven scalability in terms of performance and global implementation.



#### Contact

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