

iCHECK for CATIA

Improving Productivity with Product Data Quality



Highlights

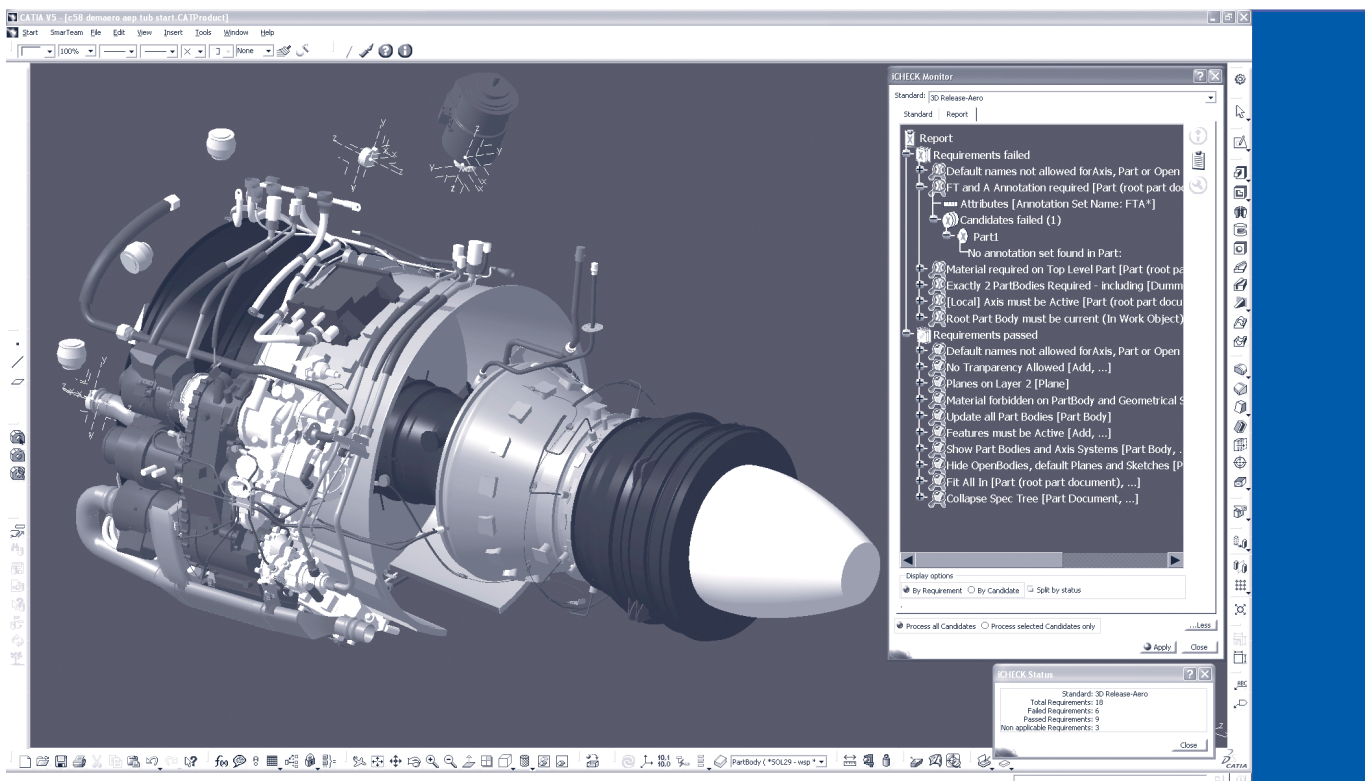
- **Easy to use from inside CATIA, making it easy to learn**
- **Easy to configure with drag-and-drop customization**
- **Business Process integration into your PDM/PLM systems**

Problem

Continued advances in Computer Aided Design (CAD) systems have brought significant efficiency to product development processes in the manufacturing world – ranging from building a seemingly simple cordless drill to complex automobiles and airplanes. New technologies based on Internet have helped diversify the structure of the teams designing these products.

Geographically dispersed teams, new outsourcing paradigms and continuous changes in the organization make it impossible to manually

maintain and leverage the standard best-practices and methodologies of an organization. Lack of standards in designs eventually leads to bad data being produced and consumed downstream in the product development process. The resulting problems range from unnecessarily high numbers of Engineering Change Orders to drastic rework late in the cycle. Product Lifecycle Management (PLM) systems, while essential to managing the complexity of product development, make it much easier to propagate the bad data and amplify the resulting problems rapidly.



“Our 2D/3D deficiencies were corrected early in the design with few or no errors detected at release ... All this resulted in better compliance to standards and improved relations downstream with error-free models and drawings.”

– Scott Spencer,
Bosch Automotive

Solution: iCHECK

iCHECK is the ultimate quality assurance system for CATIA V5. iCHECK works like a spellchecker during the design process, to automate compliance of the best practices and methodologies.

Why iCHECK?

- Improve design productivity by reducing time wasted on repetitive tasks.
- Eliminate inaccurate designs by automating compliance with defined standards.
- Reduce engineering change orders by significantly reducing design errors.
- Provide on-the-job training by the integrated and customizable help system of iCHECK.
- Allow outsourced or contract designers to design effectively by utilizing corporate standards in iCHECK.

Benefits of using iCHECK

Easy to learn and use

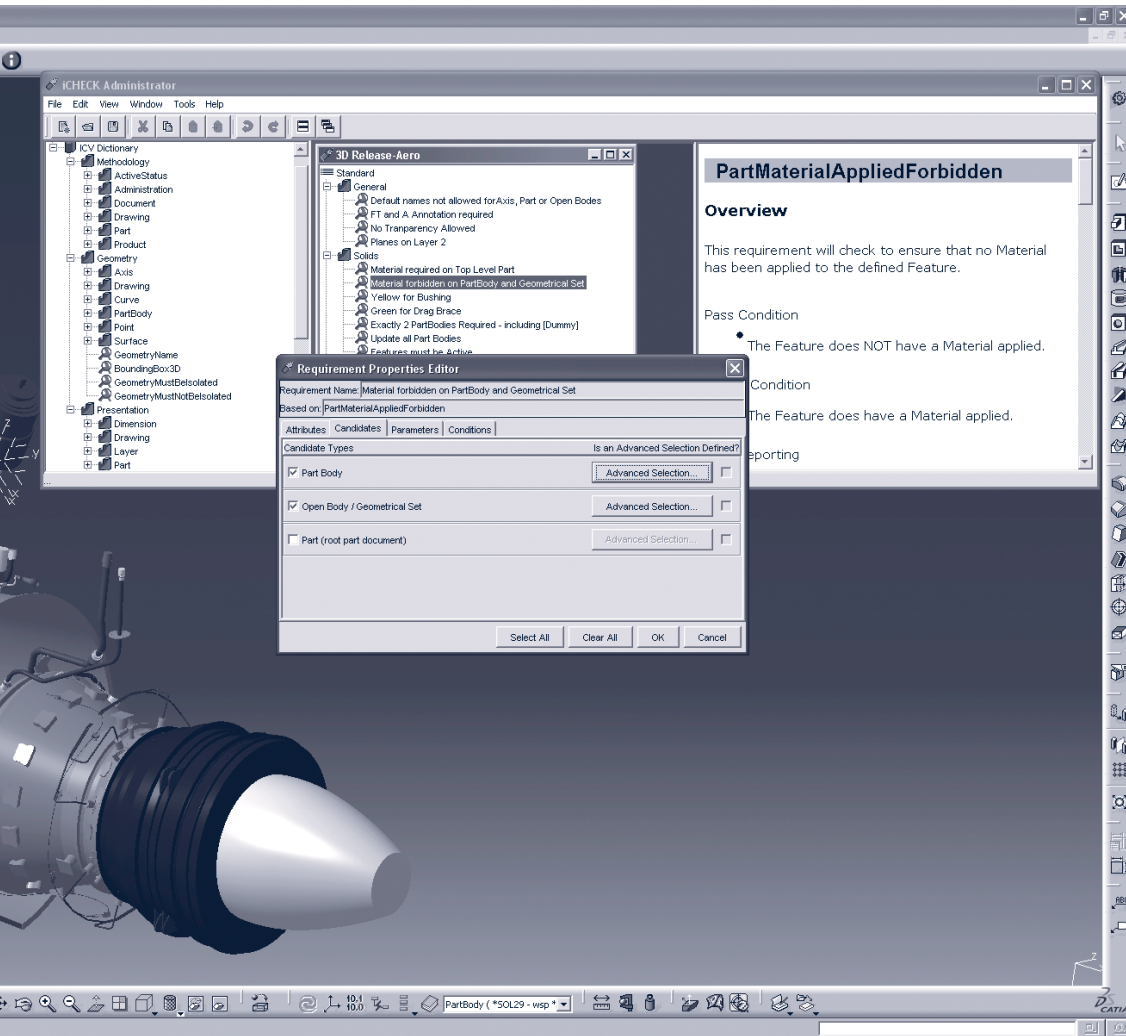
- **Works Inside CATIA** – iCHECK works from inside CATIA, with integrated interface and look and feel of CATIA. Designers use iCHECK just like any other CATIA function.
- **Corrective Actions** – Once iCHECK finds a failure, corrective actions can be applied automatically or manually so the designer can make the final decision. Corrective actions save time from cumbersome repetitive tasks and allow the designer to learn the correct design methodology by observing the correction.



- **Interactive and Documented Reporting** – iCHECK provides a complete interactive on screen report of the results as well as a Documented Report utilizing your web browser.
- **Context-Sensitive Help** – A complete context sensitive reference for each Check is available inside iCHECK. Learn best practices utilizing the context sensitive reference for each Check.

Ease of Configuration

- **Flexible Drag-and-Drop Configuration** – Allow Standards to be built with the Checks in any order and repeated as many times as needed, with the simple



“Using iCHECK, we were able to significantly reduce our non-productive designer-checker cycling time, allowing us time to focus on more innovative designs.”

– Vought Aircraft Industries

drag-and-drop interface of the iCHECK Administrator.

- **Customizable Reporting** – iCHECK reports can easily be formatted to your desired templates. This customization allows you to present only the required information in a format that is familiar to your users, including branding of your organization.
- **Customizable Help** – Tailor and brand the online help documentation to your own industry and corporate methodologies and best practices. Modify the online help document with links to your intranet or by writing the documentation directly in the file to your needs.

- **Conditional Checks** – Make sure a Check runs only if certain conditions are met in a part. For example: If document name contains “Plant ABC” then all solids must be color blue.

Business Process Integration

- **Integration into Release Process Workflow** – Through the iCHECK batch process and PDM integrations iCHECK can automatically check CATIA designs throughout the design lifecycle; thus ensures that designs conform to approved and defined standards, throughout your corporation, supply chain and customers.

- **AddOn Dictionary** – Create and add custom checks to iCHECK with its AddOn Dictionary, without any need for core iCHECK code to be changed or recompiled. The AddOn dictionary may be passed on to suppliers to ensure that they also comply with specific processes and methodologies.
- **Multi-CAD Platform** – iCHECK Platform can be leveraged in any system where comparison of the as-is and to-be state is desired. When possible, iCHECK can also help automate enforcement of the to-be state. Utilize a common quality platform across your corporation and supply chain, with multi-CAD iCHECK offerings.

For your nearest office contact one of the central locations below:

United States

North American Headquarters
41370 Bridge Street,
Novi, Michigan 48375-1302, USA
Tel: + 1 248 426 1482

UK

Group Headquarters
INCAT House
Prospect Way
London Luton Airport
Bedfordshire, LU2 9QH
United Kingdom
Phone: +44 (0) 1582 878750

Canada

4510 Rhodes Dr., Unit 300
Windsor, Ontario
Canada N8W 5K5
Tel: + 519 944 0106

France

9, rue du Parc
67205 Oberhausbergen
Strasbourg, France
Telephone: +33 03 88 56 89 00

Germany

INCAT GmbH
Breitwiesenstrasse 19
70565 Stuttgart, Germany
Phone: +49 (0) 711 789 09-0

Japan

INCAT KK, Japan
21F, Marive West World Business Garden
2-6 Nakase, Mihama-ku
Chiba City, 261-7121, Japan
Phone: +81 (0) 43 350 0731

Mexico

Blvd. Independencia
#1600 Ote. Local C46
Torreon, Coah. Mexico 27100
Tel: + 52 871 7221920

The Netherlands

Amsterdamse Vaart 268, Postbus 4315
2003 EH Haarlem, The Netherlands
Tel: + 31 (0) 23 530 7200

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- **Quality Metrics Reporting** – iCHECK users can track status and evolution of quality of their designs, across teams, sites and projects. Quality Metrics guide customers on most common design or process issues, allowing them to take targeted actions such as improvement of standards or training on best practices. These metrics reports can also be utilized in support of a program such as six-sigma.
- **Stamping** – iCHECK stamping allows the recipient of the design to confirm that the designs are of a desired quality. Stamping can be utilized within a corporation or across a supply chain.

Supported Platforms

All CATIA V5 Platforms
(excluding SGI/IRIX)

Contact us

For additional information, including your local office contact, visit our Web site at www.incat.com/iproducts or e-mail us at iproducts@incat.com

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- Reuse design information
- Share information within product teams
- Share information with suppliers
- Realize returns from their IT investments
- Expand capacity and expertise

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