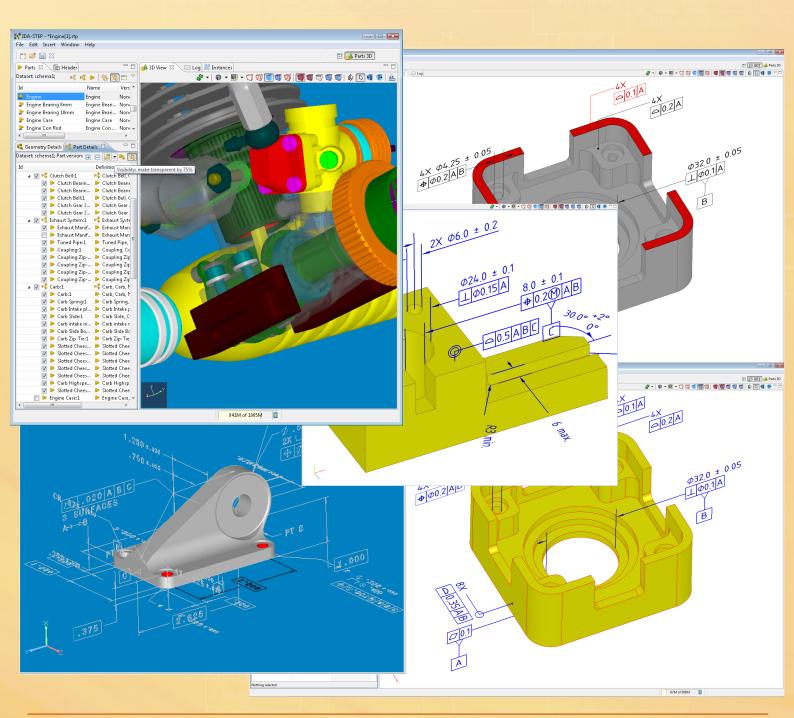


# IDA-STEP™

Managing your Product Definition Data independent from any specific CAD-System

- IDA-STEP Viewer Basic (free)
- IDA-STEP Viewer Pro 3D
- IDA-STEP GD&T Editor





## **IDA-STEP Viewers and Editors**

IDA-STEP is multi-function interoperability software. The Viewer allows humans to view and use the data for any activity. The GD&T Editor (Geometrical Dimensioning and Tolerancing) is the first and only STEPbased GD&T application and editing software available – it allows users to apply and edit GD&T and other annotation in 3D without using an expensive CAD system.

IDA-STEP uses open architecture and is based on STEP. It integrates easily with other software and supports automated data consumption by all types of programs, including dimensional inspection, computer-aided manufacturing, engineering analysis, assembly and service procedures.

IDA-STEP is leading-edge interoperability software – it is designed to help your organization achieve the promise of data reuse and control throughout the supply chain and product lifecycle.

IDA-STEP allows you to view, use, and build from 3D data without the need for drawings or reentering PMI data in downstream processes.

The semantic GD&T definitions generated by IDA-STEP can be used for:

- Dimensional Inspection
- Validation
- Manufacturing Planning
- Tolerance Stack Analysis

Future versions of IDA-STEP will provide explicit support for these.

Active Part and GD&T Element Filters

**GD&T Elements** lists all dimensions, geometric tolerances, datums etc.

**GD&T Details** of selected GD&T Elements

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Geometric Tolerance				
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Characteristic	🛆 Surface Prof	file 🔻		
Applied to	Selection			
Tolerance Value	▼ 0.4			
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Affected Plane	x	у :		
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Annotation Planes

## **IDA-STEP GD&T Editor**

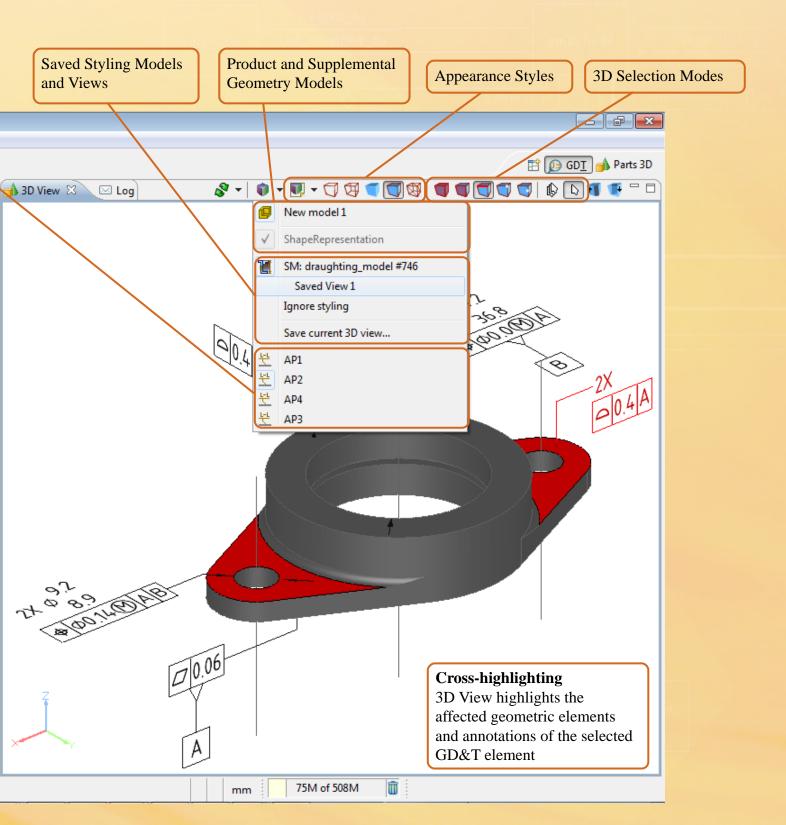
IDA-STEP is generating two kinds of GD&T data and keeps them in sync:

- 3D Model annotations for human interpretation
- semantic representation for automated downstream processes

IDA-STEP is supporting two kinds of GD&T standards:

- ISO 1101, ISO 16792 and other related ISO TC213 and TC10 standards
- ASM Y14.5 and Y14.41

IDA-STEP is able to apply GD&T to all 3D B-Rep models given as STEP files, independent from the originating CAD-System.



	Viewer		Editor
	Basic	Pro-3D	GD&T
Open / Import			
STEP	Х	Х	Х
XIM	Х	Х	Х
Viewer			a st
3D Geometry	Х	X	Х
3D Model Annotations	Х	Х	Х
Printed Circuit Boards (PCB)	Х	Х	Х
Product Data Management (PDM)	Х	Х	Х
Assembly Structures	Х	Х	Х
PCB Layer Stack	Х	Х	Х
Geometry Details	Х	Х	Х
GD&T Details	by	Х	eme_Xide
Measurement	14	Х	Х
Advanced 3D Controls Transparency, Visibility, Clipping	-	<b>X</b> nat	x
Save / Export	abe)	- 2	
VRML	Tim	Х	Х
STL	C. C.	Х	Х
STEP			Х
XIM			Х
Edit			
GD&T			Х
Part Information			X
Assembly structures			Х
Others			
Windows, Linux, Mac, 32+64 bit	Х	Х	Х
Online Installation	Х	Х	Х
Offline Installation		Х	Х
Printing	-	Х	Х

IDA-STEP is internally based on an open and component oriented software architecture (Eclipse, ISO 10303, JSDAI, XIM) that enables the integration with other software packages and the customization for specific needs. Contact us for your specific requirements.

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### **LKSoftWare GmbH**

Address: Steinweg 1, 36093 Kuenzell, Germany Telephone: +49 661 933933 0 Fax: +49 661 933933 2 E-mail: info@lksoft.com Website: www.lksoft.com

#### What is STEP?

**STEP** (STandard for the Exchange of Product Model Data) is the name of the international standard **ISO 10303** on *Industrial* automation systems and integration -Product data representation and exchange.

10303

INTERNATIONAL ISO ISO STANDARD