

***CAD VIEWER
ADVANCED ANALYSIS
COLLABORATION TOOL***



www.coretechnologie.com

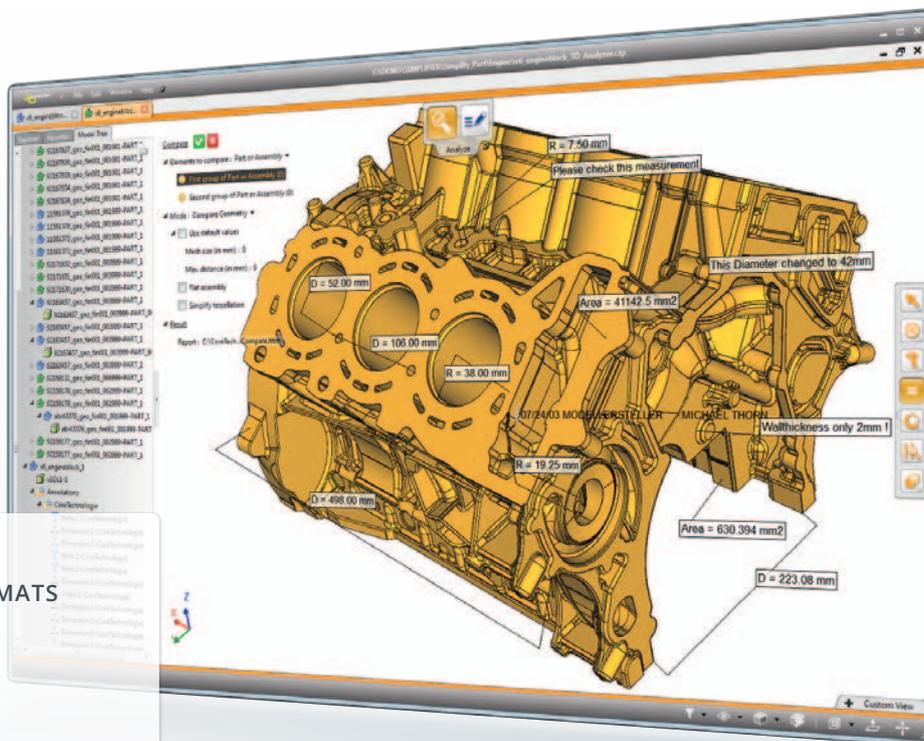


3D ANALYZER

Our Unique Viewer is the perfect tool to independently review and analyze models of all major CAD formats.

SPEED AND PRECISION

Equipped with powerful graphics and superfast interfaces 3D_Analyzer opens and analyzes even large assemblies with impressive speed. The high end interfaces read CAD data also including features, PMI and metadata. The Viewer works with the exact B-Rep and tessellation, allowing precise measurements and an exact calculation of the model properties.

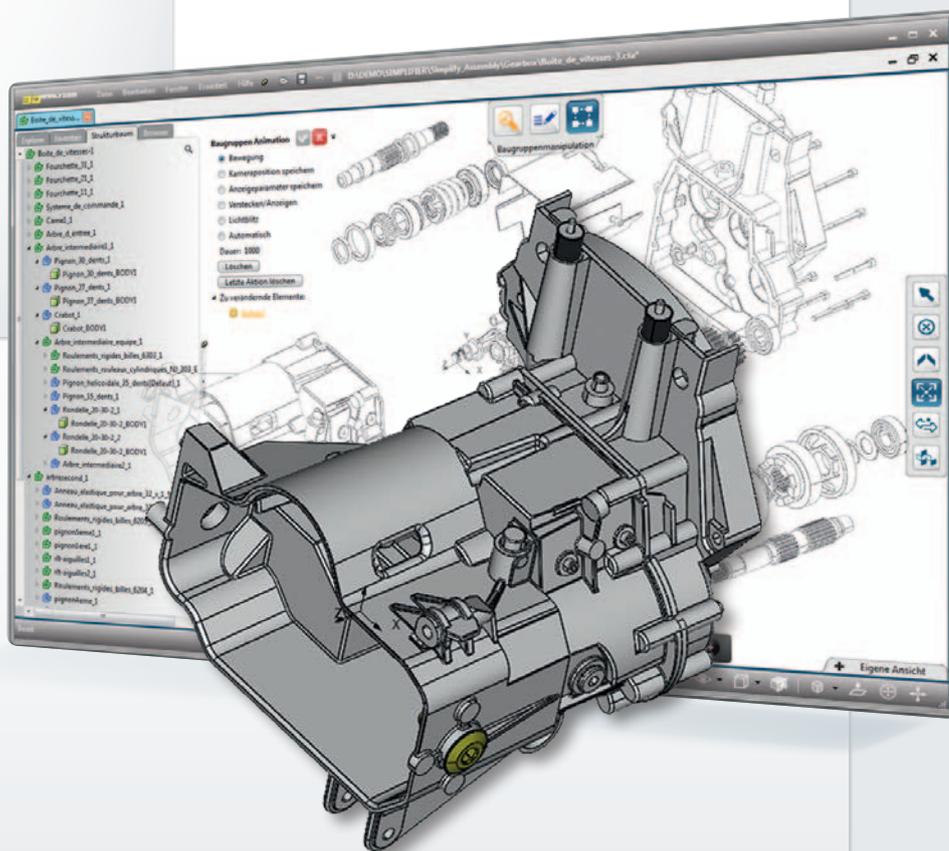


SUPPORTED FORMATS

- NX™
- CATIA® V4/V5/V6
- Creo® 1/2/3
- SOLIDWORKS®
- STEP AP 203/214/242
- JT-Format
- XT-Format
- ACIS®
- DWG
- 2D-Format
- INVENTOR®
- and many more

KEY FEATURES

- Comprehensive measuring functions
- 3D PDF and JT writing
- Redlining functions
- Display of CAD Features and Parameters
- Display of PMI and Annotations
- Display of Metadata
- Creation of sections with dynamic planes
- User customized views
- Check drafts and undercuts
- Ghost link detection
- Sharp edges detection
- Area and bounding box calculation
- PDQ Checker Sasig/VDA 4955/2
- Comparison of geometry, assemblies, PMI and attributes
- Check wall thickness
- Collision Detection Checker
- Backlash Checker
- Projected surface computation
- Explosion View
- Native viewer format
- Floating License and/or Dongle



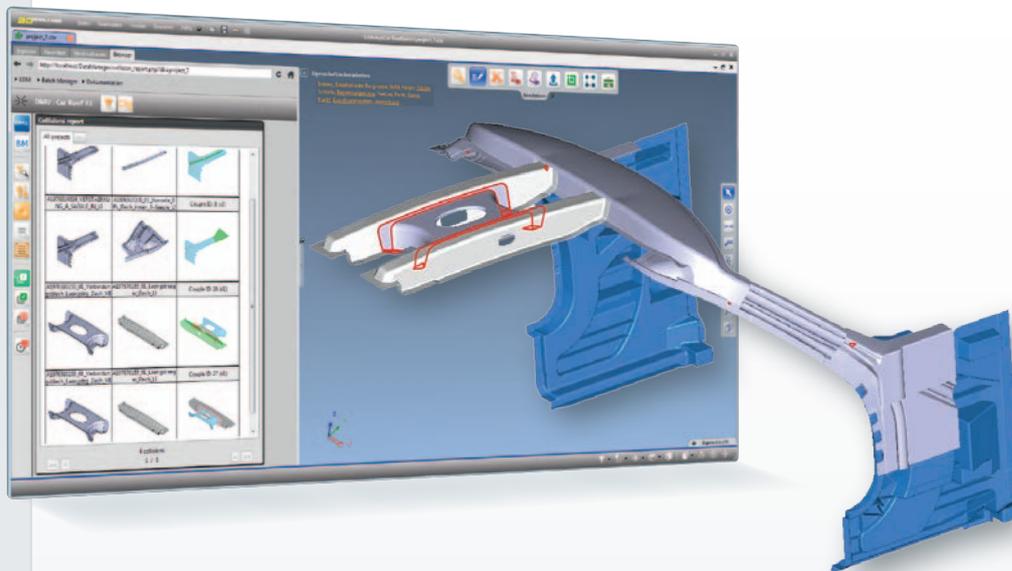
ASSEMBLIES MANIPULATION AND ANIMATION

Assemblies manipulation offers functions to modify quickly and easily the position of assembly components. They can be moved and positioned relatively to other component. An other usage is the fast creation of exploded assembly representation. The assembly modification can be recorded and replay step by step. At last action, the complete sequence can be recorded in a movie file.

Advanced Analysis for DMU.

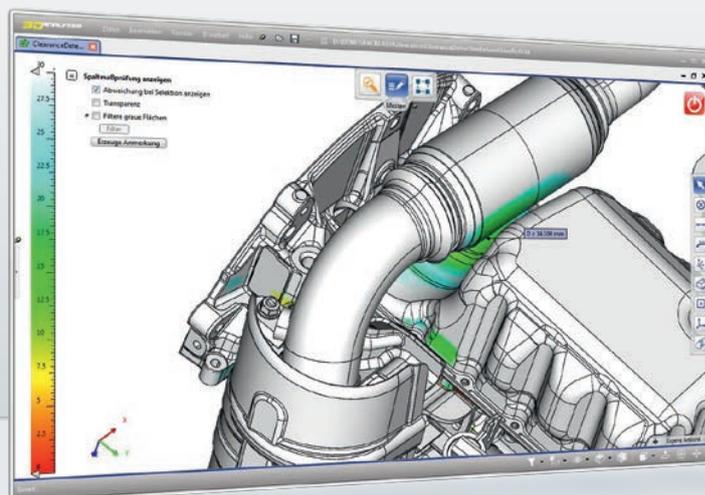
COLLISION DETECTION

For digital mock-up our reliable Collision Detection tool finds intersections between parts in assemblies. Parts with allowed intersections can be listed in a XML file and can then be excluded from the process. The detected collisions are highlighted by intersection curves while the model is displayed as transparent. The collision report file contains the list of all collided parts as well as the related fully functional 3-D and the collision curves.

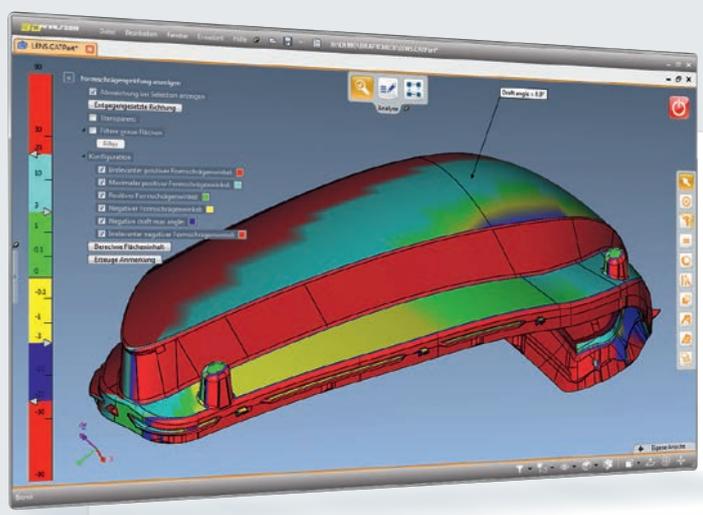


CLEARANCE CONTROL

This technology is important to ensure the quality of assemblies, e.g. to avoid vibration noises caused by parts outside a defined clearance interval. A clearance can also be checked within parts to avoid design errors causing manufacturing problems. Reliability, high-resolution display as well as outstanding performance are shared between all Advanced Analysis modules.



Advanced Analysis for Geometry.



DRAFT AND UNDERCUT ANALYSIS

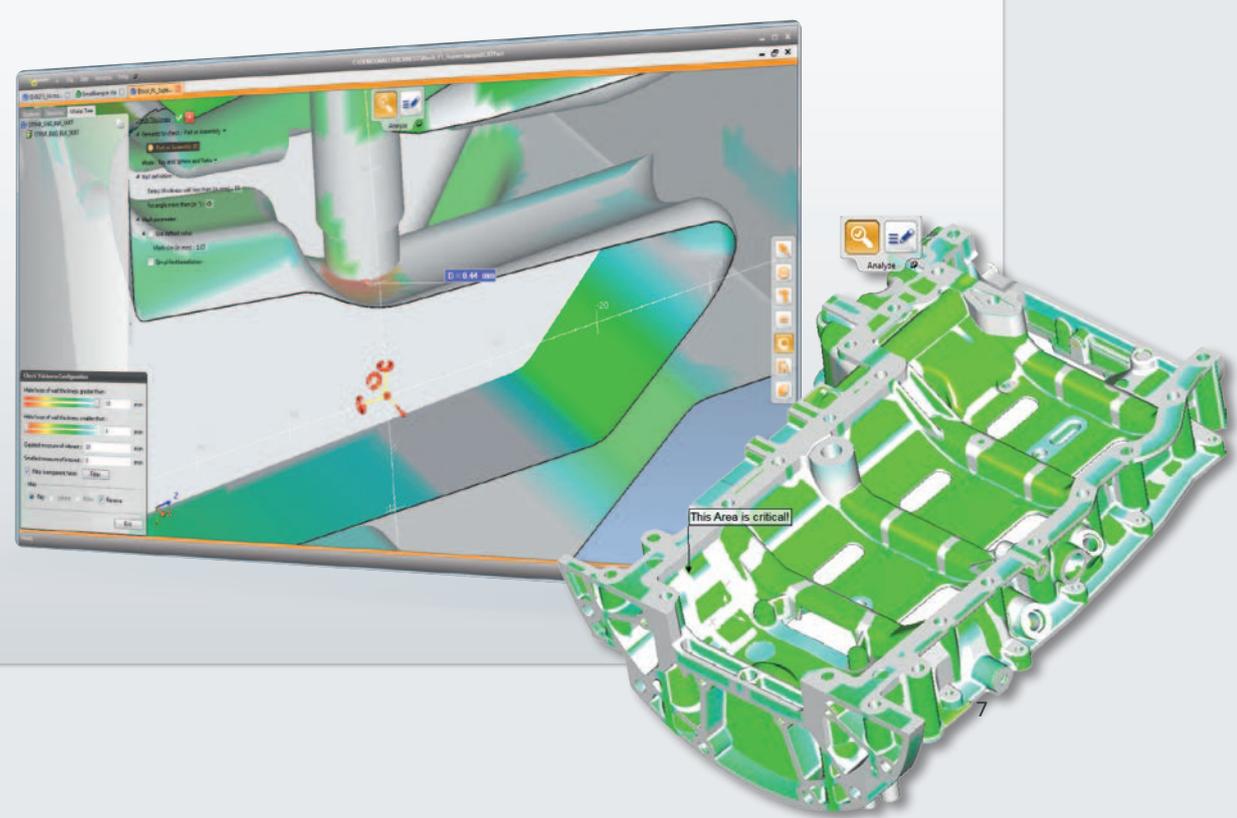
Draft Analysis and Undercut Analysis are two highly-developed tools that analyze and test the feasibility of removing a part from a mold.

Both tools are responsible for the correct application of drafts for surfaces and bodies. All results after using

these two tools are displayed on a color map showing the draft angle across the part. This allows users to quickly determine areas of draft. Through the solutions of 3D_Evolution -the software allows a user to define specific values for X, Y and Z for Draft Analysis.

THICKNESS CHECKER

The Thickness Checker indicates areas of critical, user-defined wall thickness, e.g. in casting parts. Areas where the wall thickness falls below or rises above the defined value are clearly highlighted and can be displayed separately while the values are indicated by color. The Thickness Checker technology saves precious resources, increases quality and avoids costly changes at early stages of product development.





ABOUT CORETECHNOLOGIE

CoreTechnologie is an international software developer with locations in Germany, France, USA, Italy, Japan, India and Great Britain. In the CAD interoperability universe, CoreTechnologie is the leading global producer of the most comprehensive 3D conversion and collaboration software tools available today. Our goal is future-oriented development and customer centric technology to optimize interoperability, thus helping organizations to streamline their Product Life Cycle management. We work with highly professional automated processes and we are always one step ahead from the latest technology. The top priority for us is that our software has the possibility to adapt to all customer requirements.

Our success is based on CoreTechnologie's unique approach to reading CAD data without the API of the CAD application of both boundary and parametric dataset with PMI, attributes and composite to name a few. In addition, with functions to incorporate the engineering chore to include but not limited to compare, simplification, and collision detection.

The customer portfolio by CoreTechnologie comprises more than 400's customer from several sectors like automotive-, aerospace-, mechanical engineering- and consumer goods industry.



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