PARTFINDER FOR ADDITIVE MANUFACTURING

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3D PARTFINDER

Partfinder for Additive Manufacturing
Find your parts for 3D Printing automatically

AUTOMATIC IDENTIFICATION OF 3D PRINTING COMPONENTS

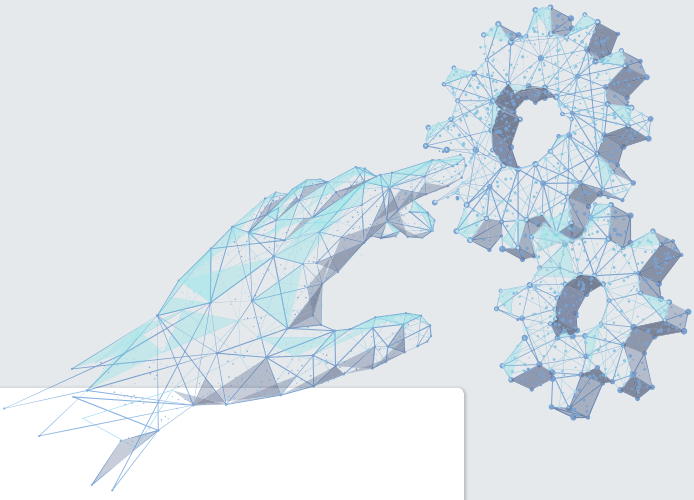
With the Partfinder CAD data of all common formats can be analyzed, sorted and also converted automatically for different 3D printing processes and machine types. The software analyses 3D CAD data geometrically and as well as on the basis of the construction history, PMI and metadata.

The web interface of the Partfinder Manager allows flexible use in company networks and the native scripting language allows an easy integration into PLM systems. The information thus obtained is stored in a database.

Subsequently, the components are then filtered according to the desired search criteria and present in a clear list with a 3D graphic and all relevant information.

3D_Evolution Partfinder comes with sophisticated interfaces for CATIA, NX, SOLIDWORKS, Creo, JT, STL, STEP, XT, Acis and many more enabling a super fast and highly precise batch conversion. The data can be saved for 3D printing in amf, 3mf and STL format. Sophisticated interfaces and analysis functions ensure that optimal quality and watertight" models are generated.

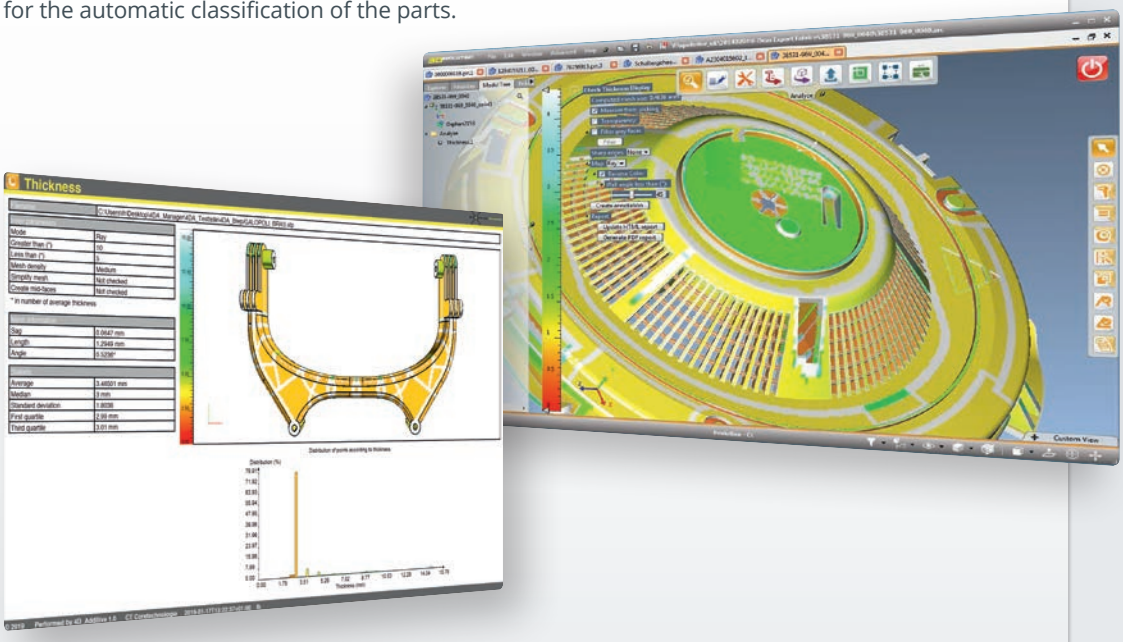
The multiprocessor calculation or cluster calculation allows an unrivalled fast analysis and/or conversion of large amounts of data.



TEST PROFILES FOR ANALYSIS AND SORTING

With the Partfinder, CAD data of all formats can be analyzed automatically with regard to the various additive manufacturing processes. The 3D models are geometrically analyzed and, in addition attributes contained in the data, e.g. Material information is used to classify each part.

All analysis can be summarized in user definable test profiles and run in batch mode over a large number of models, so that even very large databases can be sorted automatically for Additive Manufacturing processes. Our native interfaces read out the attributes and metadata within milliseconds, enabling pre-sorting. Automatic 3D geometry analysis such as calculation of the bounding box, surfaces and volumes provides further important aspects for the automatic classification of the parts.



Advanced analysis such as wall thickness checks or the detection of small holes and other details can be used to identify critical areas for specific processes. Furthermore, the internal backlash check and undercut analysis allows to identification of problem areas or models with particularly good 3D printing potential. In the interplay of all functions and the intelligent scripting language, 3D models can be pre-sorted quickly and easily.

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ABOUT CORETECHNOLOGIE

CoreTechnologie is an international software developer with locations in Germany, France, USA, Italy, Japan, India and Ireland. 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.

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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