

DIGITAL INDUSTRIES SOFTWARE

3Dfindit.com for Solid Edge

Enjoy access to millions of 3D CAD models at the click of a button

Benefits

- Millions of 3D CAD models in native Solid Edge formats
- Hundreds of manufacturer-verified CAD catalogs
- Intelligent CAD models with extensive metadata
- Intuitive search methods for digital components
- Catalog content provided free of charge

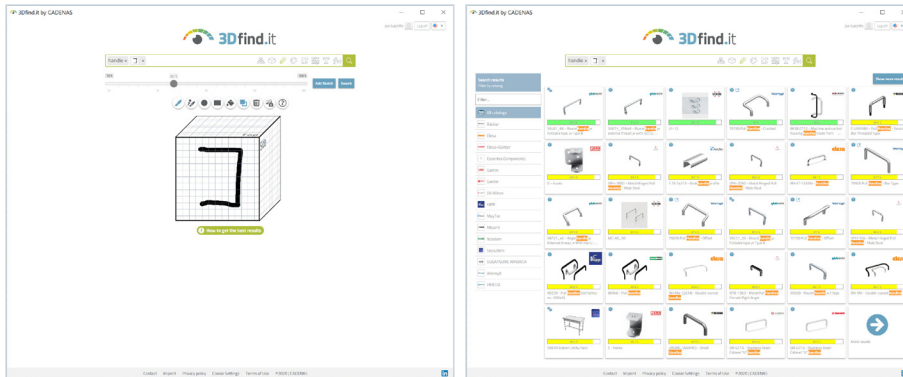
Summary

Streamline the process of finding 3D models using intelligent search functions through tight integration with a next-dimension visual search engine for mechanical, electrical and electronic engineering. 3Dfindit.com, powered by CADENAS, was developed to significantly reduce technical search times and increase design efficiency. Searches can be performed using classifications, geometry, filters, sketches and much more.



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Finding the component you need is as simple as drawing a sketch.

The all-new search engine crawls millions of 3D computer-aided design (CAD) models from hundreds of manufacturer catalogs worldwide, providing tool and 3D CAD content free of charge to Solid Edge® software users. 3Dfindit.com offers millions of 2D and 3D CAD files verified by component manufacturers, which are available to all Solid Edge users with just a click of a button.

CAD files of requested parts are automatically generated on the fly, ready to use in Solid Edge. This helps engineers easily select and configure the components that match their needs.

Hundreds of catalogs with intelligent CAD data

3Dfindit.com offers millions of 2D and 3D CAD files verified by component manufacturers. Depending on the catalog, the digital parts are enriched with extensive metadata such as kinematics information to test motion sequences, centers of mass, material, environmental protection standards, order numbers, etc. This saves time by enabling engineers to find and deploy approved parts instead of manually creating them.

Solid Edge integration

3Dfindit.com for Solid Edge gives engineers a wide variety of intuitive search methods, making it easy to find the exact part they are looking for. Users can create a rough model in Solid Edge and initiate a geometric search in 3Dfindit.com to find parts that are similar to the model. Once the proper part is located, a single click places it directly into the active Solid Edge assembly.

Replacing assembly components is just as easy. Engineers simply choose the component to replace, then Solid Edge searches 3Dfindit.com for a matching part from a different supplier or for a different size and/or material. Solid Edge automatically replaces the component once the desired result is selected in 3Dfindit.com.

Users in a workgroup can download parts to a shared folder location to avoid duplicates if the same part is downloaded again from 3Dfindit.com by another engineer. If your company uses Teamcenter® software, Solid Edge will re-use the part from Teamcenter if it had been previously downloaded.

Intuitive search functions

The powerful search capability provided by 3Dfindit.com enables CAD users to find parts faster, reducing design time.

- **Parametric Text Search**

The powerful full-text search is an effective way to browse the entire catalog and parts world of 3Dfindit.com for needed parts. This search function also allows logical operators (for example, $D < 12$).

- **3D Shape Search**

The 3D shape search searches and compares parts according to respective CAD geometries. Based on a reference part (catalog part, self-constructed part, repeat part or company standard) engineers can browse the entire database for similar CAD components. The result is a ranking list of the geometrically most similar 3D CAD parts.

- **Sketch & Photo Search**

The sketch search quickly leads engineers to the right component, even if they do not know the correct item description. With a simple 2D sketch users can draw the component they are looking for and immediately receive results that match their sketch. This feature also enables users to upload a picture of the respective component to find similar parts.

- **Color Search**

The Color Search enables engineers to look for components by selected colors. This search method demonstrates its full potential in combination with other search methods.

- **Function Search**

Users can choose one or more functions that the needed component should include and receive search results according to their selection.

- **Filter Search**

Users can navigate through the product categories offered by 3Dfindit.com to find parts that fit their search. With the available filters you can set parameters to refine your selection. The system will offer available components based on the selection.

- **Index Search**

The Index Search enables you to find required components by clicking through various industry standards such as the German Institute for Standardization (DIN), European Standards (EN), International Organization for Standardization (ISO), etc., or classifications (for example, eCl@ss).

Extending value

Developed by Siemens, Solid Edge, which is part of Xcelerator, a comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software, provides an innovative and comprehensive approach to product development for the mainstream market. Solid Edge software tools advance all aspects of the product development process: mechanical and electrical design, simulation, manufacturing, technical documentation, data management and cloud-based collaboration.

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