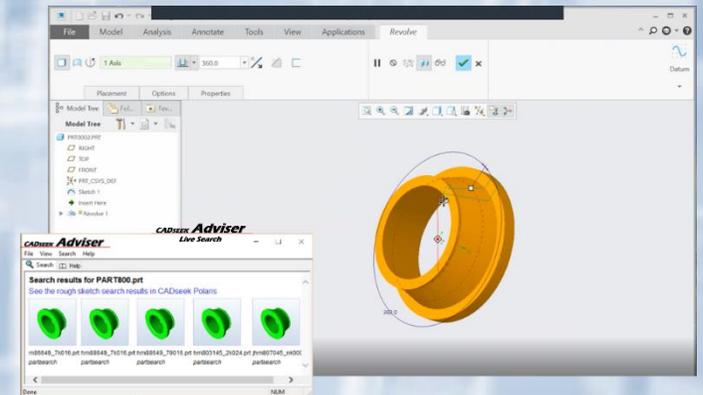


CADSEEK Adviser

Live Search



How to 'Google' CAD

**machine
design**

iSEEK Corporation

Search / Identification / Analytics

Part Reuse is A Winning Strategy

After all... who doesn't want the company to save thousands of dollars each time a part is reused.

A study by the United States Dept. of Defense shows high return on investment potential from reuse:

Costs of a <u>new</u> part estimated by the Parts Standardization and Management Committee	
Activity	Cost
Engineering and design	\$9,300
Testing	\$700
Manufacturing	\$1,750
Purchasing	\$3,800
Inventory	\$875
Logistics support	\$3,750
Total	\$20,175



But reuse initiatives require some change ...



Embracing Reuse

Automation

The adoption of reuse is reinforced when search tools are both **automatic** and **integrated** into preferred workflows.

Intelligence

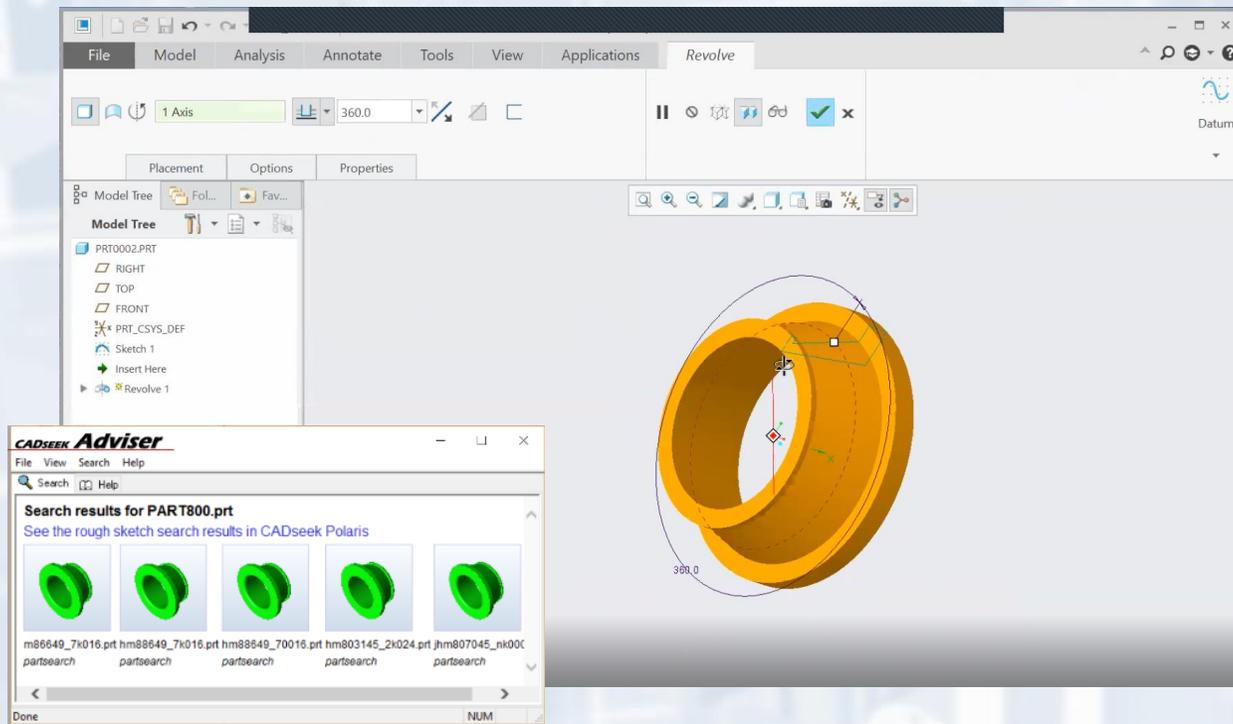
Search tools will be ignored or dismissed if they aren't capable of providing relevant results **early** in the design process before a designer becomes emotionally connected to their new design.

Accountability

A culture of reuse is accelerated with tools that **automate** a manager's ability to monitor new designs.

Automation

Automating search through integration with CAD allows designers to maintain their normal workflow, creating awareness of reuse candidates in a timely and efficient manner.

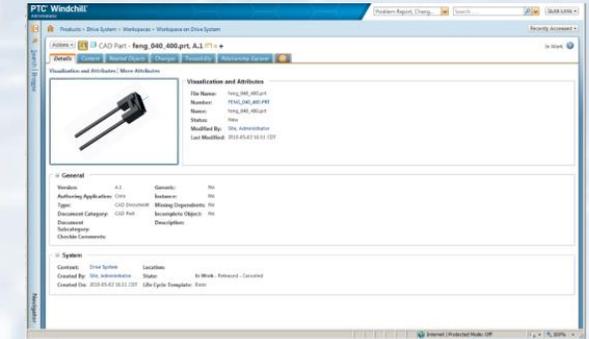
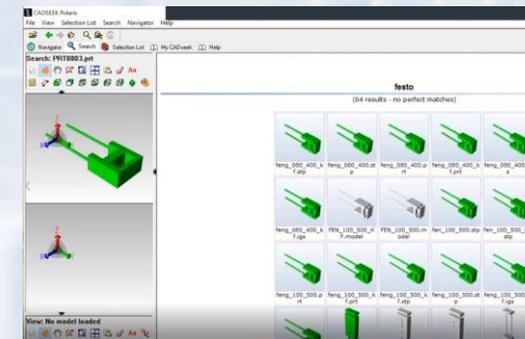
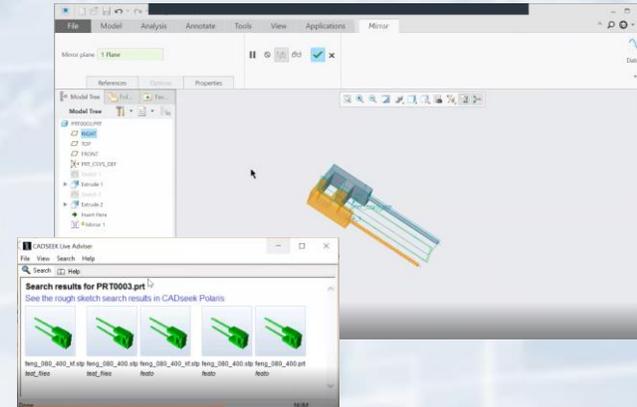
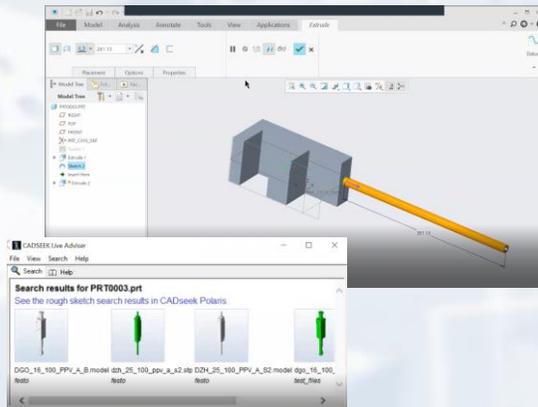


CADSEEK Adviser Live-Search monitors a CAD design in progress as the design matures.

Significant changes to the model trigger a search.

Similar models pop-up in the Adviser window alerting the designer to potential reuse options. The Adviser window is quickly dismissed with a click on the CAD application.

Adviser is designed to be non-intrusive, only appearing when important features are committed to the model.



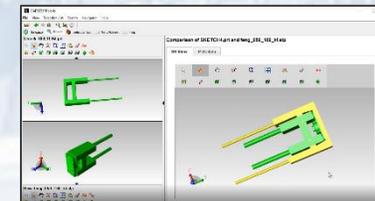
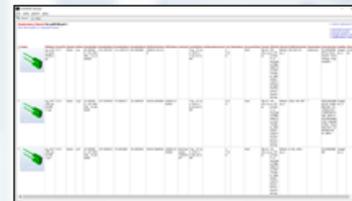
A few minutes into the design an extrude operation triggers Adviser, which shows models with some similarity, but not enough to warrant interrupting the design process.

But a few moments later, after a mirroring process, the Adviser results are quite meaningful.

Clicking a model opens CADSEEK Polaris, allowing more search and compare options.

Links in Polaris allow direct access to the model-page in the PLM for proper check-out for thorough reuse evaluation.

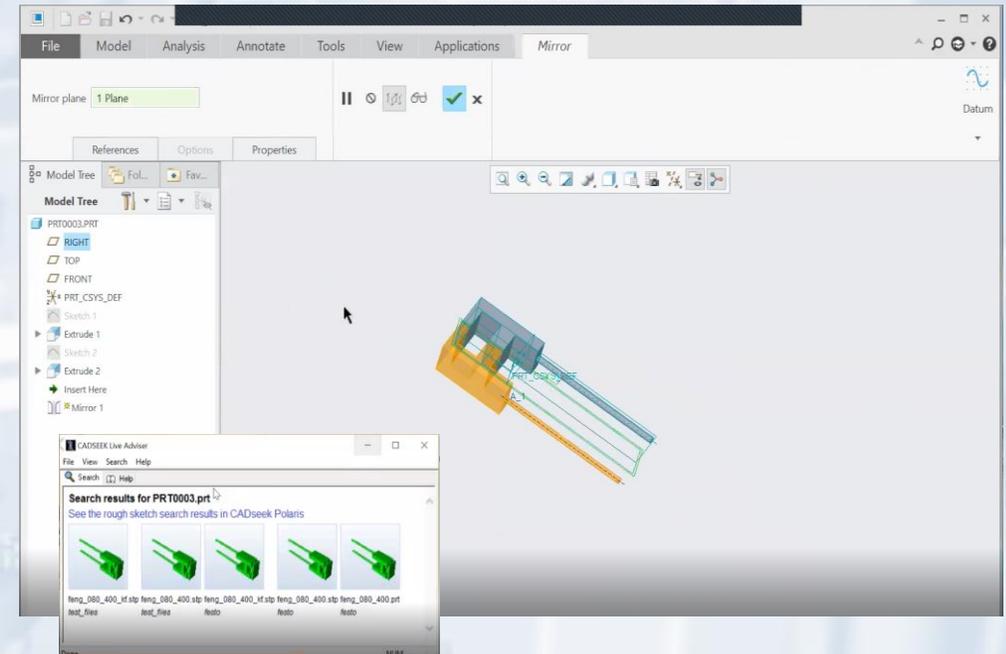
Adviser provides more information by expanding the window.



Intelligence

Meaningful reuse options must be able to be found **early** in the design process, or otherwise, the time and intellectual investment in the new model will logically lead to a bias towards the new model's completion.

Adviser is able to quickly find reuse options because of its wide active range for determining similarity due to the use of pattern recognition.



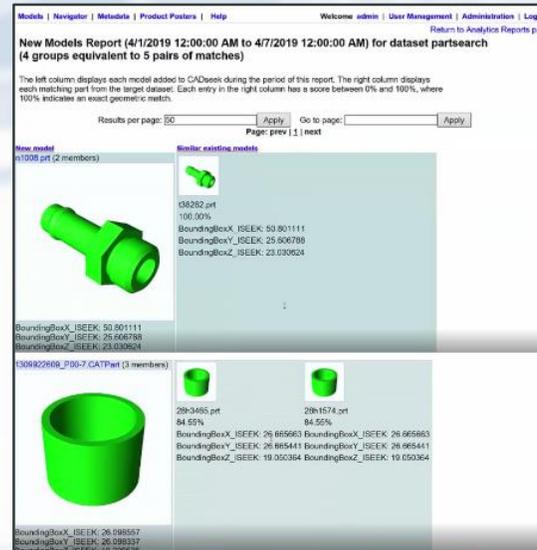
Accountability

Just as designers need enabling tools to drive part reuse, managers also need tools to monitor reuse efforts.



CADSEEK **Sentry** provides a failsafe.

When designs are complete and waiting for approval, Sentry evaluates the models and provides a report listing those that exceed the similarity threshold.



CADSEEK Sentry

[Models](#) | [Navigator](#) | [Metadata](#) | [Product Posters](#) | [Help](#) Welcome [admin](#) | [User Management](#) | [Administration](#) | [Logout](#)

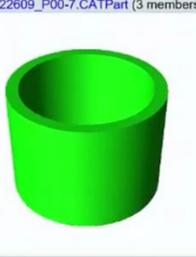
[Return to Analytics Reports page](#)

New Models Report (4/1/2019 12:00:00 AM to 4/7/2019 12:00:00 AM) for dataset partsearch (4 groups equivalent to 5 pairs of matches)

The left column displays each model added to CADseek during the period of this report. The right column displays each matching part from the target dataset. Each entry in the right column has a score between 0% and 100%, where 100% indicates an exact geometric match.

Results per page: Go to page:

Page: [prev](#) | 1 | [next](#)

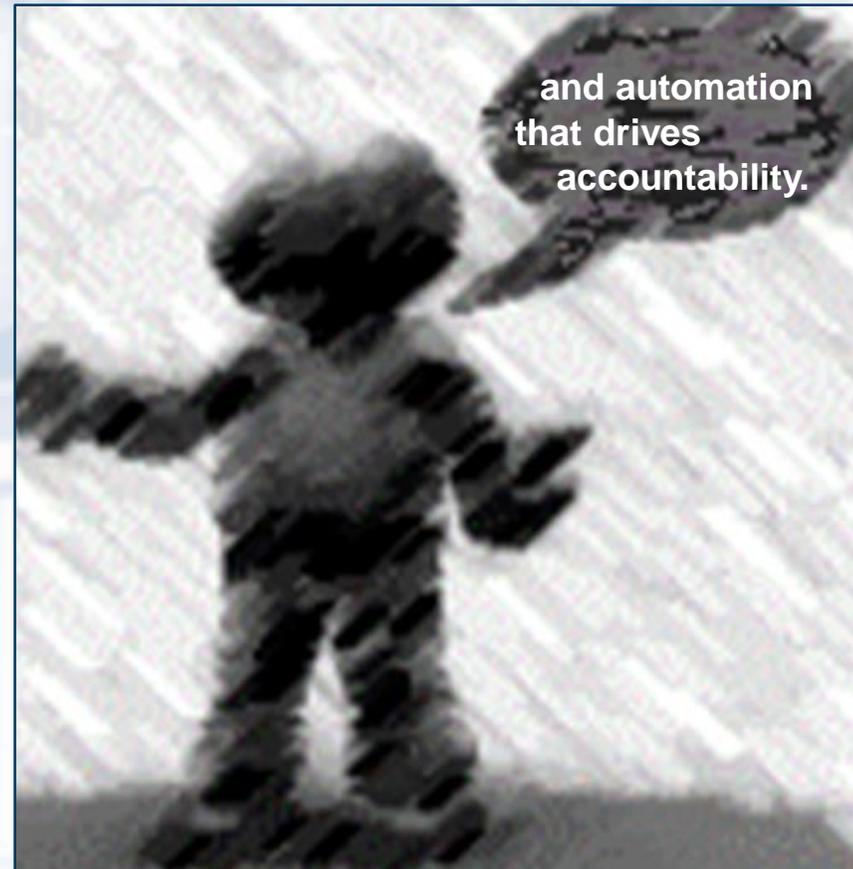
New model	Similar existing models		
<p>n1008.prt (2 members)</p>  <p>BoundingBox_ISEEK: 50.801111 BoundingBox_Y_ISEEK: 25.606788 BoundingBox_Z_ISEEK: 23.030624</p>	<p>t38282.prt 100.00% BoundingBox_X_ISEEK: 50.801111 BoundingBox_Y_ISEEK: 25.606788 BoundingBox_Z_ISEEK: 23.030624</p>		
<p>1309922609_P00-7.CATPart (3 members)</p>  <p>BoundingBox_ISEEK: 26.098557 BoundingBox_Y_ISEEK: 26.098337 BoundingBox_Z_ISEEK: 19.299526</p>	<table border="0"><tr><td><p>28h3465.prt 84.55% BoundingBox_X_ISEEK: 26.665663 BoundingBox_Y_ISEEK: 26.665441 BoundingBox_Z_ISEEK: 19.050364</p></td><td><p>28h1574.prt 84.55% BoundingBox_X_ISEEK: 26.665663 BoundingBox_Y_ISEEK: 26.665441 BoundingBox_Z_ISEEK: 19.050364</p></td></tr></table>	 <p>28h3465.prt 84.55% BoundingBox_X_ISEEK: 26.665663 BoundingBox_Y_ISEEK: 26.665441 BoundingBox_Z_ISEEK: 19.050364</p>	 <p>28h1574.prt 84.55% BoundingBox_X_ISEEK: 26.665663 BoundingBox_Y_ISEEK: 26.665441 BoundingBox_Z_ISEEK: 19.050364</p>
 <p>28h3465.prt 84.55% BoundingBox_X_ISEEK: 26.665663 BoundingBox_Y_ISEEK: 26.665441 BoundingBox_Z_ISEEK: 19.050364</p>	 <p>28h1574.prt 84.55% BoundingBox_X_ISEEK: 26.665663 BoundingBox_Y_ISEEK: 26.665441 BoundingBox_Z_ISEEK: 19.050364</p>		



Manager

Working in Concert

Adviser, Polaris and Sentry work across the design process to foster reuse ...



A Suite of Solutions

CADseek technology powers an integrated suite of applications for service across the enterprise.



Design

Supply Chain

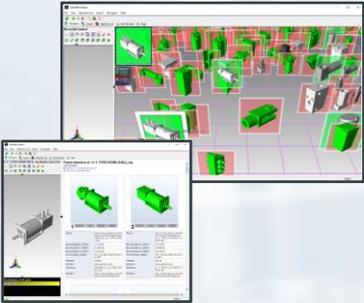
Engineering Management & I/T

Sales

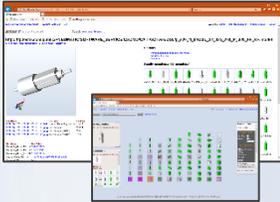
Manufacturing

Distribution & Service Parts

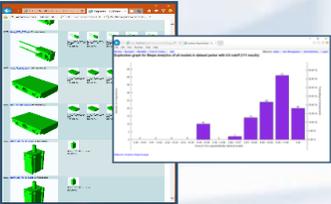
CADSEEK Polaris
The Search Engine for Shape



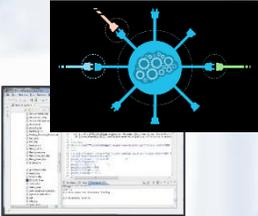
CADSEEK Connect



CADSEEK Analytics



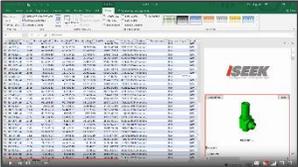
Embedded Solutions



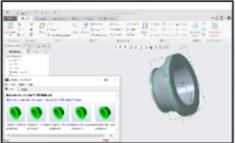
iIDENTIFY



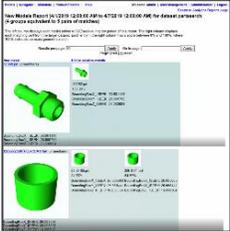
CADSEEK Excel
Microsoft Excel Add-In



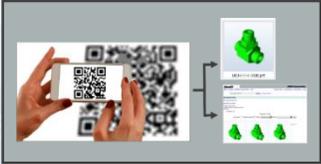
CADSEEK Adviser
Live Search



CADSEEK Sentry



ShapeID
Intelligent Part Codes



“CADSEEK Polaris was the hands down winner.

We found iSEEK to exceed all expectations.”

Brian Rugh,
Deere & Company

“We are extremely pleased with how CADSEEK Analytics is working for us. We have been impressed with the functionality and use.”



“CADSEEK saves time, improves consistency and most importantly, is exceptionally easy to use.”



KENWORTH.
The World's Best.®

George Taylor,
General Manager, Kenworth

“Effective shape-based search must tackle two primary jobs: identifying topology similarities and displaying results in a comprehensible fashion. CADSEEK accomplishes both with ease and simplicity.”



“CADSEEK has the functionality necessary to help our company reduce costs through several paths. iSEEK’s technical expertise have been well proven in our evaluations.”

Rick Mihelic,
Peterbilt Motors Company



“We attained several times the return on our investment within seven months of deploying CADSEEK.”



iSEEK Corporation

Thank you for your interest in Adviser Live-Search.

To request a demonstration of any of our products please contact sales@iseekcorp.com or 515.296.4156.

Demonstration videos are available on our website at www.iseekcorp.com