


# Videos

Please, find videos related to HP Carbon on this page (see also on ).

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## Playlists

Video | Upload to Cutwise - Polished Diamond Data


Published:

2020, June 5

Last Updated:

2020, June 5

v.1.2



Video | Upload to Cutwise - Solutions Comparison


Published:

2020, March 17

Last Updated:

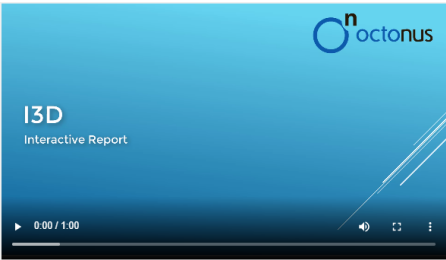
2020, June 5

v.1.2




13D

Interactive Report



Coming Soon



[Playlist | Integration with Cutwise](#)

HP Carbon supports integration with [Cutwise](#) online service - diamond presentation and comparison engine.

Main article: [Integration with Cutwise](#)

[Playlist | Short Videos](#)

Get a quick look at the HP Carbon features in short 1-minute videos, read brief information in the video description, use links to navigate to detailed documentation.

## All Videos

The videos are sorted by the **Last Updated** field - latest on top.

Video | 13D - Interactive Report

Published:

2021, March 29

Last Updated:

2021, March 29

v.1.4

Your browser does not support the HTML5 video element

Video summary:

- Interactive 3D Report is opened in your browser from within HP Carbon
- In the presented report you can:
- Toggle elements visibility (the visible ones will be included in a printed version)
- Configure your views (one or several, different modes, "what-to-show" options for each)
- Use interactivity of your views to explore all aspects of your models (rotate and zoom, mouse over the facet to get pop-up with the facet details)
- Save your configuration as preset and re-use it
- Print report shaped by you and suiting your needs

Video keywords:

configure, 13D, interact, interactive 3D report, print, view

Published in:

Release Notes

NA

Documentation

[Interactive 3D Report, Data and Interaction in Interactive 3D Reports](#)

Playlists

[Short Videos](#) | [YouTube: HP Carbon](#)

Also

[As Separate Page](#) | [On YouTube](#) | No Specification (Short Video)

Video | Increasing Mass - Using Sandwich Inclusions

Published:

2020, October 16

Last Updated:

2020, October 16

v.2.0

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Video summary:

- Sandwich Inclusion function allows increasing the mass of a solution without a decrease of its clarity
- It splits an inclusion into layers
- The external layer (shell) can be included in the solution thus it becomes bigger, increases the mass
- The internal (core) continues to limit the solution boundaries, keeps the Clarity high
- Big inclusions outside but close to the surface give the chance for using "Sandwich"
- Appropriate inclusions can be searched using QC Panel

Video keywords:

clarity, inclusion, sandwich, QC panel

Published in:

Release Notes

[2020-12-29 - HP Carbon 1.1.33](#)

Documentation

[Inclusions](#)

Playlists

[All Videos](#) | [YouTube: HP Carbon](#)

Also

[As Separate Page](#) | [On YouTube](#) | [Specification](#)

Video   Upload to Cutwise - Polished Diamond Data				
Published:	2020, June 5	Last Updated:	2020, June 5	v.1.2
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>You can quickly share via the Internet your stone information using an integration of HP Carbon, DiBox 2.0, and Cutwise OctoNus products</li><li>Upload information collected with HP Carbon and DiBox 2.0 to Cutwise online service</li><li>Send data in either order - Cutwise will consolidate them to form the full-data representation of your stone online</li><li>In Cutwise, your product will contain photos and videos from DiBox and information from HP Carbon: main stone parameters, advanced reports with images, I3D report, HTML report, DMC file</li><li>In Cutwise, share with whom you need to make your product information available around the globe 24/7</li></ul>				
<b>Video keywords:</b> Cutwise, DiBox, DMC, HP Carbon, HTML, I3D, images, integration, online, parameters, reports, share, upload, videos				
Published in:	Release Notes			
	Documentation	<a href="#">Integration with Cutwise</a>		
	Playlists	<a href="#">Integration with Cutwise</a>   <a href="#">YouTube: HP Carbon, HP Carbon - Cutwise Integration, Cutwise</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   Upload to Cutwise - Solutions Comparison				
Published:	2020, March 17	Last Updated:	2020, June 5	v.1.3
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>After obtaining the set of SmartRecut solutions, it is an essential task to compare them.</li><li>OctoNus Cutwise online service offers an extended set of tools for presenting and comparison.</li><li>HP Carbon supports integration with Cutwise: models from HP Carboon may be sent to Cutwise where they can be further visualized and analyzed.</li><li>Cutwise generates virtual films presenting stones and calculates metrics based on films.</li><li>Cutwise presents models images for Fire, Office, and ASET.</li><li>HP Carbon parameters are also transferred to Cutwise.</li><li>Cutwise cloud keeps all operations server-side.</li><li>Cutwise is a comfortable tool for comparison and selecting the best.</li><li>Selected stones can be saved in collections.</li><li>You can share created collections 24/7 for discussion and sales.</li></ul>				
<b>Video keywords:</b> ASET, cloud, Cutwise, filtering, fire, integration, metrics, model comparison, office, parameters, share, sorting, upload				
Published in:	Release Notes	NA		
	Documentation	<a href="#">Integration with Cutwise</a>		
	Playlists	<a href="#">Integration with Cutwise</a>   <a href="#">YouTube: HP Carbon, HP Carbon - Cutwise Integration, Cutwise</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   SweetLine - Time-Saving Approach to Getting Better Optical Performance				
Published:	2019, October 1	Last Updated:	2019, December 5	v.2.0
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<b>Video summary:</b> <ul style="list-style-type: none"><li>CrownAngle = 34.5 and PavilionAngle = 40.75 named <i>Tolkowsky Point</i> provide the best optical performance</li><li>Brilliants belonging to axis going through Tolkowsky Point with the negative slope 1:6 also provide excellent optical performance</li><li>The SweetLine parameter sticks solutions to this axis</li><li>There are two ways of using SweetLine: via SweetLine profile or using your own editable profile with SweetLine, CrownAngle and PavilionAngle set to your needs</li></ul>				
<b>Video keywords:</b> SweetLine, SweetLine axis, optical performance, CrownAngle, PavilionAngle				
Published in:	Release Notes	<a href="#">2019-10-23 - HPOxygen Server 5.3.42</a>		
	Documentation	<a href="#">Using SweetLine</a>		
	Playlists	<a href="#">All Videos</a>   <a href="#">YouTube: HP Carbon</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   Customizing Profiles - Copying and Modifying Cut Parameter Intervals and Presets				
Published:	2019, September 13	Last Updated:	2019, October 22	v.2.0
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>In HP Carbon, each profile consists of the cut parameter intervals and presets values.</li><li>The system allows copying both cut parameter intervals and presets values into your own editable profile.</li><li>There you can further tune them.</li></ul>				
<b>Video keywords:</b> profile, cut parameter intervals, presets, presets values				
Published in:	Release Notes	<a href="#">2019-09-13 - HPOxygen Server 5.2.22</a>		
	Documentation	<a href="#">Algorithms, Appraisers and Profiles</a>		
	Playlists	<a href="#">All Videos</a>   <a href="#">YouTube: HP Carbon</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   AnyCut Workflow - Main Steps				
Published:	2019, September 3	Last Updated:	2019, October 16	v.2.3
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>AnyCut workflow includes the following steps: in-house cut registration, FixedForm (recut) allocation, SmartRecut AnyCut allocation with relative ASCII appraiser</li><li>In-house cut registration starts from running SmartNormalize for the model you want to use as cut</li><li>Register most symmetrical normalization result as new cut</li><li>Provide custom facet types for your new cut</li><li>Facet types from a sample can be used</li><li>If necessary, corrections may be done for selected types from the sample</li><li>Save your cut</li><li>Run FixedForm (recut) allocation with your cut</li><li>Use + <b>Smart Recut</b> option to immediately start SmartRecut after the Recut</li><li>The system provides a set of solutions</li></ul>				
<b>Video keywords:</b> AnyCut, in-house cut, custom facet types, SmartRecut				
Published in:	Release Notes	<a href="#">2019-09-13 - HPOxygen Server 5.2.22</a>		
	Documentation	<a href="#">In-house cut workflow, In-house cut registration</a>		
	Playlists	<a href="#">All Videos</a>   <a href="#">YouTube: HP Carbon</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   H&A Presets - Solutions in Correspondence with H&A Standard				
Published:	2019, July 30	Last Updated:	2019, July 30	v.1.0
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>The new presets for working in Hearts and Arrows (H&amp;A) segment have been created</li></ul>				
<b>Video keywords:</b> hearts and arrows, H&A				
Published in:	Release Notes	<a href="#">2019-09-13 - HPOxygen Server 5.2.22</a>		
	Documentation	<a href="#">MyRound</a>   <a href="#">GIA Facetware + MyRound</a>		
	Playlists	<a href="#">All Videos</a>   <a href="#">YouTube: HP Carbon</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   MyRound Appraiser - New MaxMass Profile for Overstepping the Mass Border Value				
Published:	2019, April 11	Last Updated:	2019, April 11	v.2.1
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>Sometimes the solutions produced using the "MyRound   GIA Facetware + MyRound" appraiser may be just a little below the mass border</li><li>The new "MaxMass" profile for this appraiser allows getting solutions overstepping the mass border value but still inside GIA EX boundaries.</li><li>This is achieved by weakening the non GIA Facetware criteria which increases the mass but may decrease other parameters.</li><li>The "MaxMass" profile does not replace the standard "ModernCut" profile - they exist simultaneously producing different results: the "ModernCut" produces more balanced solutions with higher liquidity; the "MaxMass" - solutions with higher mass and price.</li></ul>				
<b>Video keywords:</b> MyRound_Max, MaxMass, profile, MyRound, GIA Facetware, MyRound   GIA Facetware + MyRound, appraiser, ModernCut, MyRound_ModernCut				
Published in:	Release Notes	<a href="#">2018.12.25 - HPOxygen Server 4.8.20</a>		
	Documentation	<a href="#">MyRound   GIA Facetware + MyRound</a>		
	Playlists	<a href="#">All Videos</a>   <a href="#">YouTube: HP Carbon</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

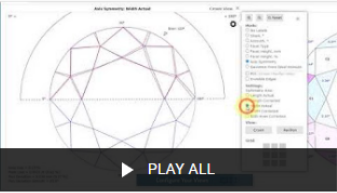
Video   Smart Normalize - Manual Marking Facets for Removing				
Published:	2019, April 9	Last Updated:	2019, April 9	v.1.1
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>The "18. SmartNormalize" algorithm often does not delete the large excess facets, although for the operator it may be visually obvious that they should be removed during normalization</li><li>The Element Multi Selection Tool can now be used with the "18. SmartNormalize" algorithm to manually mark facets to be removed during normalization.</li><li>These marked facets will be obligatory deleted by the "18. SmartNormalize" algorithm when it is run.</li><li>By manual removing the large excess facets prior to running the "18. SmartNormalize" algorithm you additionally improve the algorithm performance by helping it to distinguish correct and incorrect facets.</li></ul>				
<b>Video keywords:</b> SmartNormalize, normalization, element multi selection tool, excess facets, incorrect facets, remove facets, delete facets, manual remove				
Published in:	Release Notes	NA		
	Documentation	<a href="#">Smart Normalize algorithm</a>		
	Playlists	<a href="#">All Videos</a>   <a href="#">YouTube: HP Carbon</a>		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   <a href="#">Specification</a>		

Video   Smart Recut Algorithm - Improved Usage of Extra Facets				
Published:		Last Updated:	2019, April 8	v.2.5
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>• The Allow Girdle Extra Facets option of "13. SmartRecut (Brilliant, Oval)" algorithm</li><li>• Before version 4.8.20: sometimes for the rough stones extra facets were not created in spite of the Allow Girdle Extra Facets option selected</li><li>• Starting from version 4.8.20: if the creation of girdle extra facets is possible and the Allow Girdle Extra Facets option is selected, they will be always created</li><li>• Result: we obtain the maximum mass caused by using the girdle extra facets</li><li>• An appraiser controls limitations for the quantity of allowed girdle extra facets by the GirdleCrownExtraFacets and GirdlePavilionExtraFacets parameters</li></ul>				
<b>Video keywords:</b> girdle extra facets, smart recut, allow girdle extra facets, rough stones, GirdleCrownExtraFacets, GirdlePavilionExtraFacets				
Published in:	Release Notes	2018.12.25 - HPOxygen Server 4.8.20		
	Documentation	Using Girdle Extra Facets		
	Playlists	All Videos   YouTube: HP Carbon		
	Also	As Separate Page   On YouTube   Specification		

Video   18. Single (Recut) Algorithm - Rotated and Aligned Solutions for Further Optimization				
Published:	2019, February 12	Last Updated:	2019, February 12	v.3.2
Your browser does not support the HTML5 video element				
<b>Video summary:</b> <ul style="list-style-type: none"><li>• <b>Note</b> In version 5.2.22 the <b>18. Single (Recut)</b> algorithm has been renamed to <b>18. Semipolished</b></li><li>• During the brilliant recut, the best result can be achieved through two different intermediate solutions:</li><li>• Through the solution with facet azimuths close to the current brilliant</li><li>• Through the solution rotated comparing to the current brilliant</li><li>• To select the best option in the end, an operator needs BOTH variants of the solution on the intermediate stage.</li><li>• The "18. Single (Recut)" algorithm aims to provide both the rotated solution (with the better mass) and the one better aligned to the initial stone for you to be able to try your further optimization on both of them.</li><li>• Run Smart Recut on both solutions.</li><li>• Compare the Smart Recut solutions and select the best one from the point of view of the predicted price and the complexity of the cut.</li><li>• In some cases, the best solution will come from aligned and not from the rotated.</li></ul>				
<b>Video keywords:</b> 18. Semipolished, 18. Single (Recut), rotated solution, aligned solution, further optimization, cut complexity, best price				
Published in:	Release Notes	2018-10-30 - HPOxygen Server 4.7.27		
	Documentation	Algorithm "18. Semipolished"		
	Playlists	All Videos   YouTube: HP Carbon		
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# YouTube

See also these HP Carbon videos in the HP Carbon playlist on the OctoNus YouTube channel:




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### HP Carbon


12 videos • 16 views • Updated today

HP Carbon (Helium Polish Carbon) is a bundled hardware+software solution for diamond scanning with plenty of advanced features. It is intended for cutting factories, laboratories, and dealers.

Official page:  
<https://www.octonus.com/carbon/hp-carbon>  
Documentation:  
<https://octonus-teams.com/wiki/x/d6ZvBg>

 Octonus




1

I3D - Interactive Report

Octonus

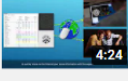
1:01

2

Increasing Mass - Using Sandwich Inclusions

Octonus

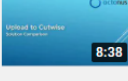
3:01

3

Upload to Cutwise - Polished Diamond Data

Octonus


4:24

4

Upload to Cutwise - Solutions Comparison

Octonus

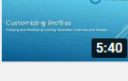
8:38

5

SweetLine - Time-Saving Approach to Getting Better Optical Performance

Octonus

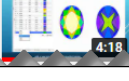
6:18

6

Customizing Profiles - Copying and Modifying Cut Parameter Intervals and Presets

Octonus


5:40

7

AnyCut Workflow - Main Steps

Octonus

4:18



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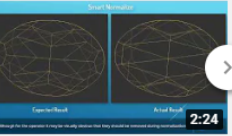
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