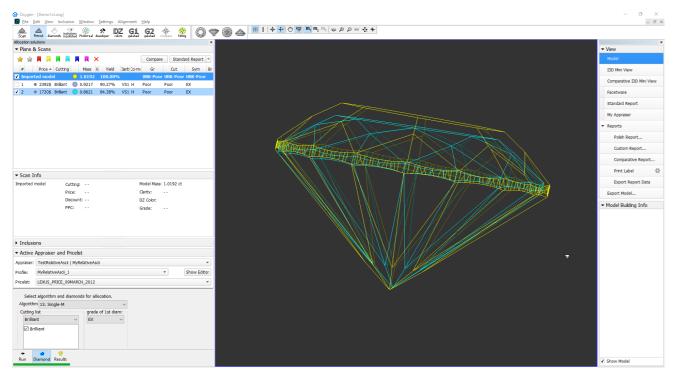
Comparative Report

To compare two stones in HP Carbon, you may use the Comparative Report.

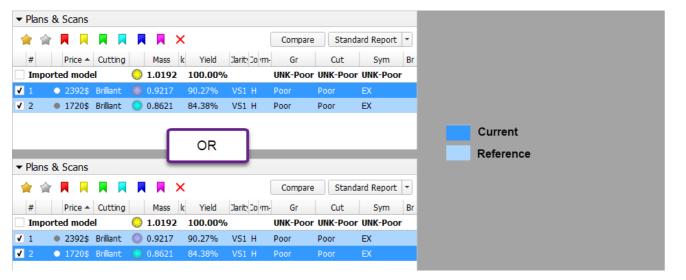
On this page:				
1 Selecting Models to Compare 2 Report Types 2.1 "Reference - Current" (Main Flow) 2.2 "Current - Reference" (Alternative Flow) 3 Generating Comparative Report 4 Related Pages				

Selecting Models to Compare

Upon selecting the models, one of them is considered the reference one, while the other is considered current. The current model represents the current state of the stone, the reference model represents what we are going to achieve after cutting. If the main scan is included in the comparison, it is used as the current model.



If the main scan is not included in the comparison, the model you select first becomes current (marked with darker blue), second - reference (marked with lighter blue).



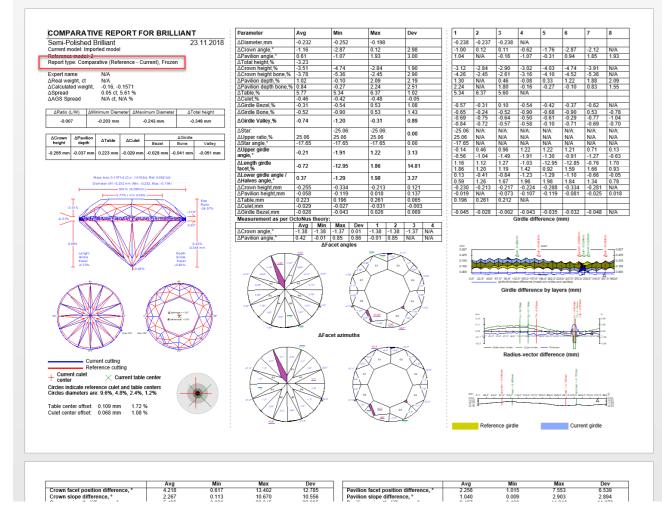
🕑 Тір

Have only one model selected - it is your current. Then add another - this will become a reference.

Report Types

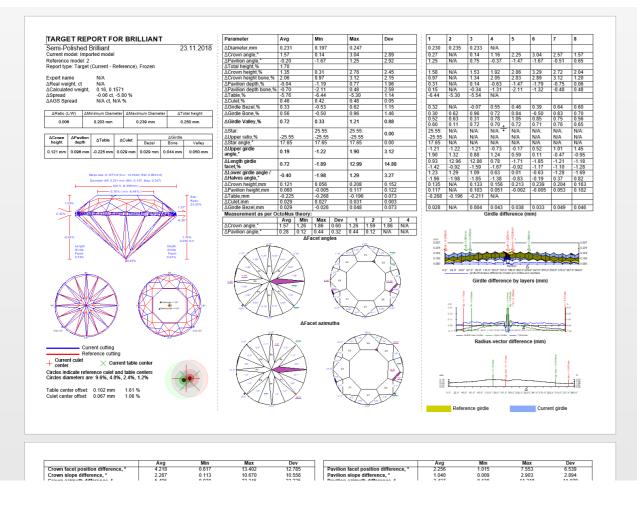
"Reference - Current" (Main Flow)

So the **main flow** for such selection will be clicking the **Create Comparative Report** button, which produces "Reference - Current" result. The "Reference - Current" means that in the report if the **Parameter A** = 1,0 for current and = 0,7 for reference, then in the comparative report **Parameter A** = -0,3 (reference - current" esult. The "Reference - Current" means that in the report if the **Parameter A** = 1,0 for current and = 0,7 for reference, then in the comparative report **Parameter A** = -0,3 (reference - current" means that in the report if the **Parameter A** = 1,0 for current and = 0,7 for reference, then in the comparative report **Parameter A** = -0,3 (reference - current" esult. The "Reference - Current" means that in the report if the **Parameter A** = 1,0 for current and = 0,7 for reference, then in the comparative report **Parameter A** = -0,3 (reference) from the current state of the stone.



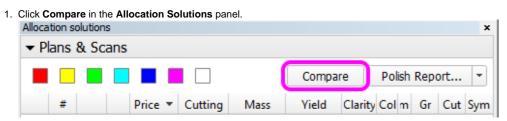
"Current - Reference" (Alternative Flow)

Alternatively, we can use the Create Target Report button, which produces a "Current - Reference" result. Such report shows how parameters of the current state of the stone differ from the desired result (reference).



Generating Comparative Report

To generate a new Comparative Report for the selected models:



Alternatively, click Comparative reports in the right panel.

×
✓ View
Standard
Facetware
Standard Report
My Appraiser
▼ Reports
Polish Report
Custom Report
Comparative Report
Print Label
▶ Export

(i) Note that the corresponding buttons may be inactive if too many or too few models are selected. See Models management for further clarification.

2. A popup window will appear:

Compare with	:	×	
-Load reference	ce cutting		
Cutting mo	odel Sides types Parameters Load		
	excellent brilliant for my cutting		
	c symmetric cutting		
Select templa	ite		
Open RTF	Interactive 3D Open Templates Folder		
Data Path:	C:\Users\neretin\Documents\OctoNus Software\I3D Reports		
Viewer Path:	C:\ProgramData\OctoNus Software\I3D Report Viewer		
Add Photo	orealistic Images to report		
Open Inte	eractive 3D Report in default browser after generation		
Open Dat	ta Folder		
Stone ID Sa	Cample_round_SR_fixe Higher precision (plus one digit)		
Fitting Mode			
Compare:	Recut: Preview Facet Matching		
Fixed Table	le OFixed Table Other:		
O Parallel Ta	able OParallel Table OFrozen: Actual Position		
🔘 Best Positi	tion OBest Position OCalibration: Scanner Evaluation		
Optimal facet matching. Tables of Reference and Current cuts are in the same plane. Best for Comparison and Grading.			
Create (Create Comparative Report Create Target Report		
	Close		

a. The Load reference cutting block is intended for use with DiamCalc, and thus not relevant here.

b. The Select template block is intended to select the type and format of the report, i.e. RTF or Interactive 3D, and the cut-dependent details.

c. The Fitting mode determines how the two models are fit together. Upon selecting the models, one of them is considered the reference one, while the other is considered current. If the main scan is included in the comparison, it is used as the current model; otherwise, the solution with lower index is used. Afterwards, the two models are positioned in the following manner for the purpose of the present report:

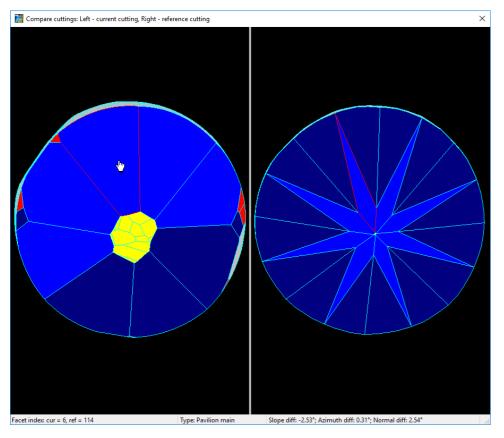
Mode	Positioning
Compare: Fixed table	Models are positioned for the best facet matching so that the table facets of the models coincide.
Compare: Parallel table	Models are positioned for the best facet matching so that the table facets of the models are parallel.
Compare: Best position	Models are positioned so as to achieve the best facet matching without restrictions.
	Models are positioned for the best facet matching so that the table facets of the models coincide and the reference model fits completely inside the current model (a maximum protrusion of 50um is currently returned.
	Models are positioned for the best facet matching so that the table facets of the models are parallel and the reference model fits completely inside the current model (a maximum protrusion of 50um is current is returned.
Recut: Best position	Models are positioned for the best facet matching with the only restriction that the reference model fits completely inside the current model (a maximum protrusion of 50um is currently allowed). If it would not
Frozen: Actual Position	Models are assumed to be arranged exactly as they are in the present file, without any repositioning.
Calibration: Scanner Evaluation	Models are assumed to be the same (probably in different orientation). This is a special mode intended for hardware adjustment.

3. You can preview how the facets of the two models are matched by pressing the Preview Facet Matching button. A dialog will appear showing both models with facet types indicated by color. You can hover the mouse cursor over any facet to see its properties and highlight a matching facet on the second model.

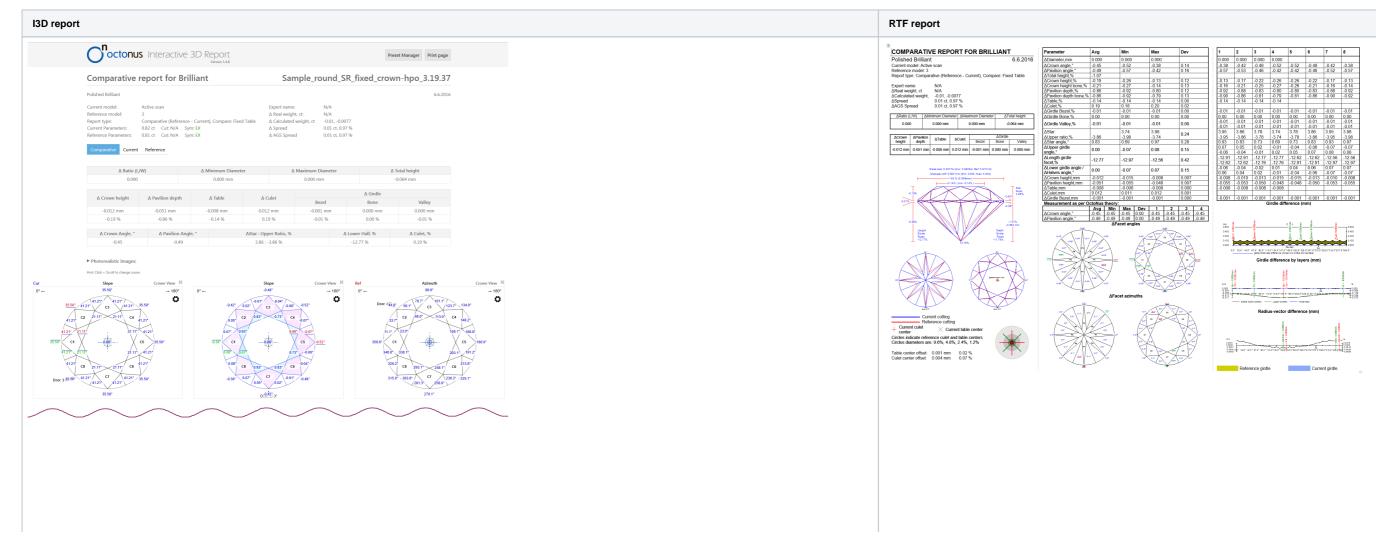
ntly allowed). If it would not fit given the limitations, an error message is

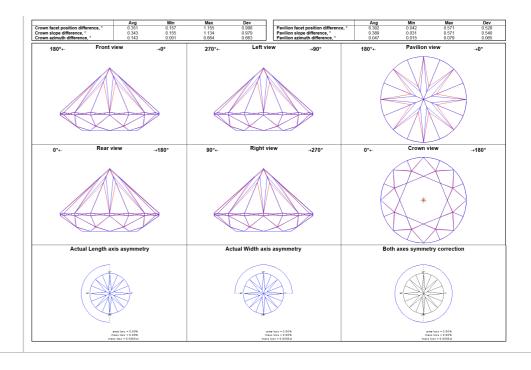
rently allowed). If it would not fit given the limitations, an error message

not fit, an error message is returned.



4. Once you are done with the settings, press Create Comparative Report to compare the current model against reference (i.e. with the reference model oriented as in its own Polish report, and the current model's orientation dependent on it), or Create Target Report to compare the other way around. A report will open up in the browser or MS Word window, depending on the selected report format.





For the ease of comparison, the numbering of facets of the both reference and current models in the comparative report is retained the same as in their corresponding individual polish reports.



() Note that the current model in the comparative report typically would be oriented differently from its own polish report, that is, its C1 facet may not be facing the 0° azimuth.

Related Pages

Comparative I3D Mini View