

Comparative I3D Mini View

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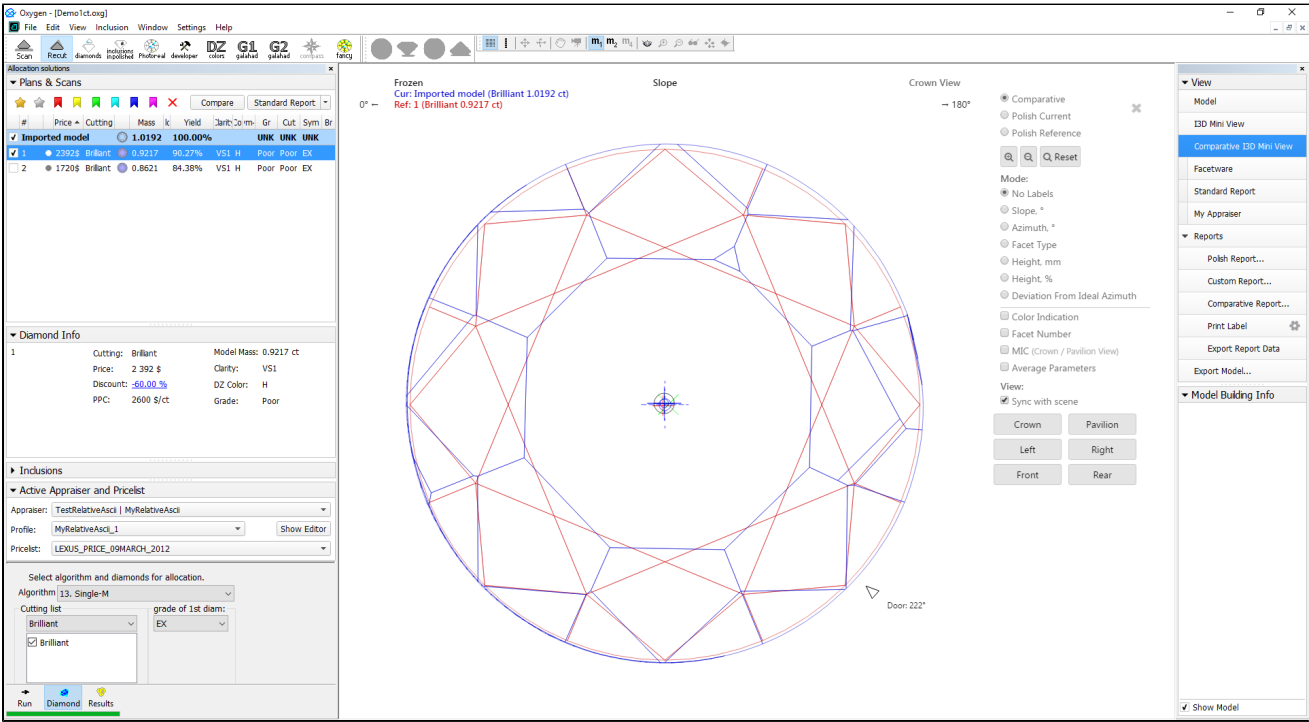
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Overview

Comparative Interactive 3D View (Comparative I3D Mini View) represents the two selected stone models in 3D for comparison. Comparing with the standard Scene, in Comparative I3D Mini View, the models are displayed with a number of additional details mapped over the displayed facets.

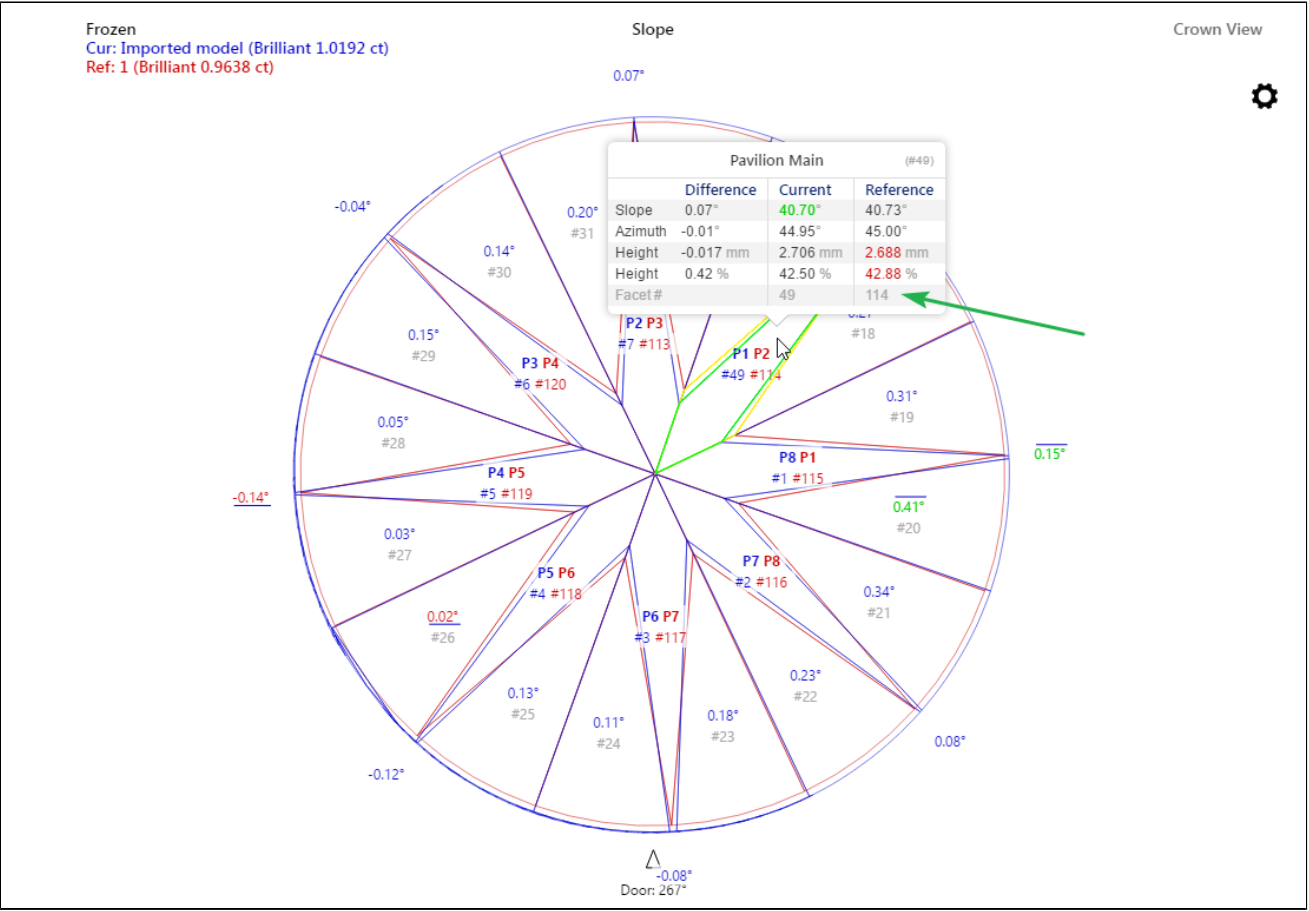


Facet Identification

In Comparative I3D Mini View, in "Comparative" mode, short names of the main facets and their numbers are displayed both for the current and for the reference models. They are colored correspondingly.

i

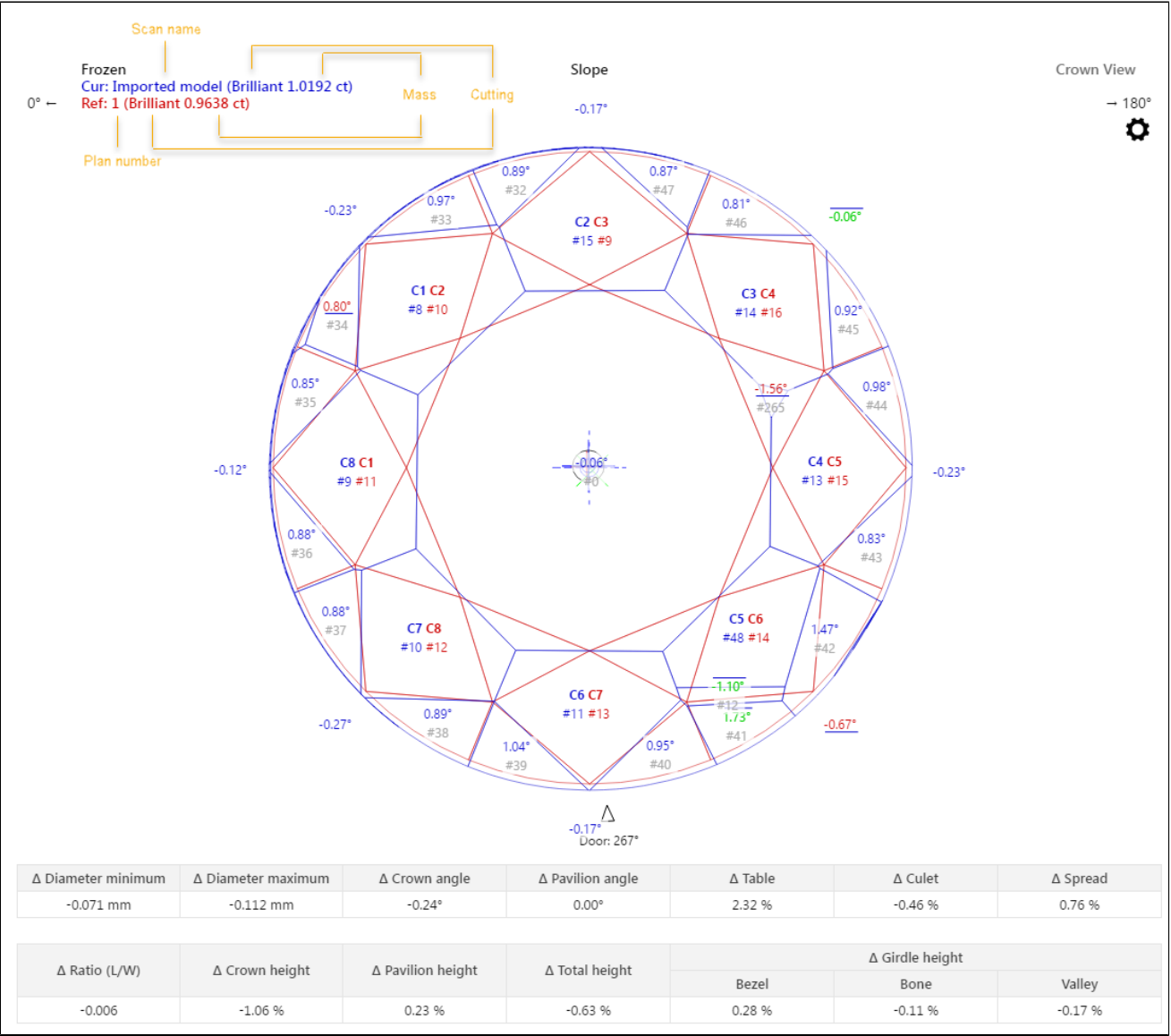
Facet numbers are displayed only when the **Facet Number** check box is selected.



Displaying Model Mass in Correspondence with Plan List

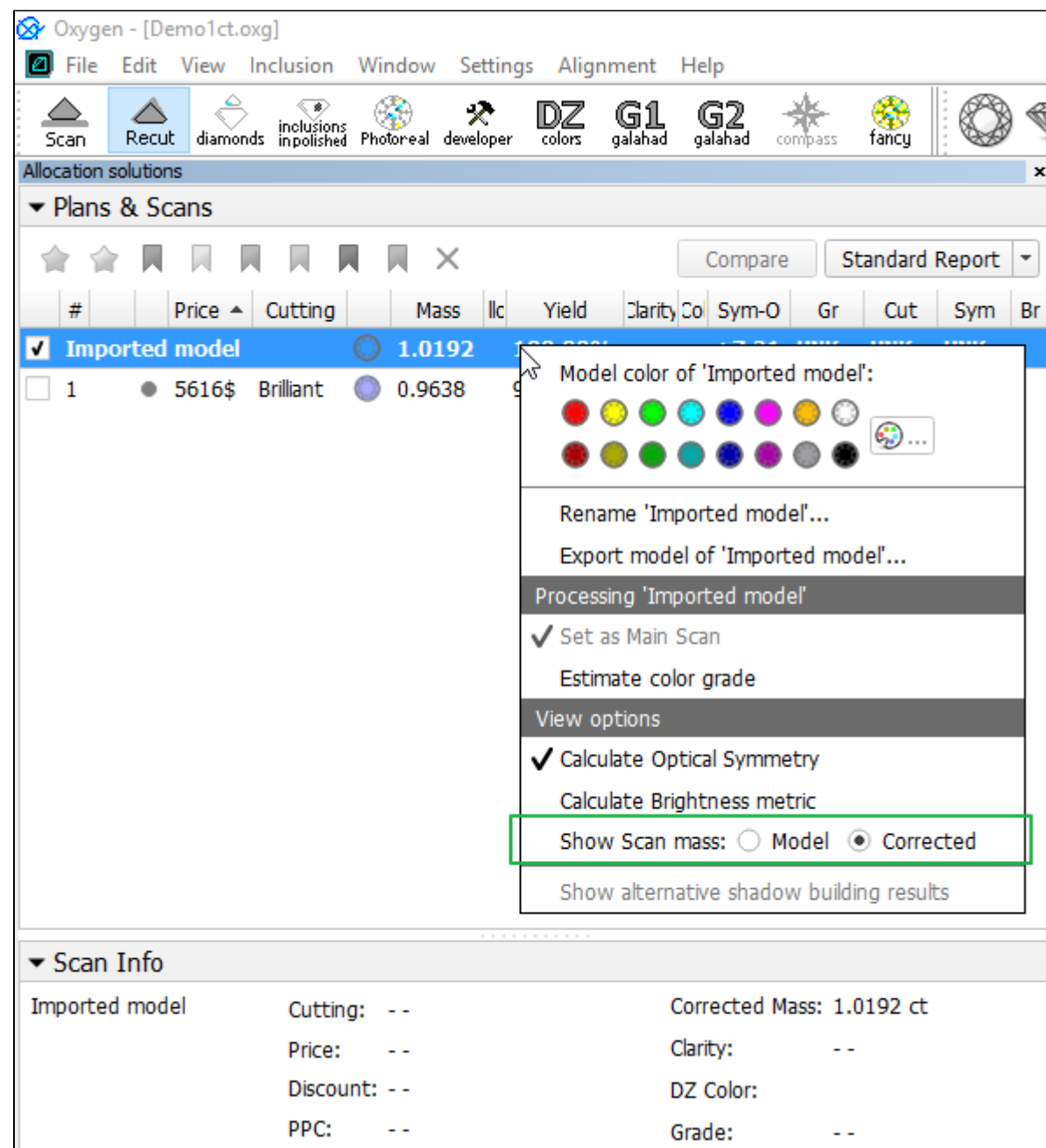
In comparative I3D Mini View, for what was selected from the plan list as the current and reference models the following information is displayed:

- Scan name (for example, "Imported Model") or plan number (for example "1"), followed by (in brackets):
- Cutting name
- Model mass, ct



For the scan, the displayed mass will be in correspondence with the mass displayed in the plan list. This may be:

- Model mass
- Corrected mass



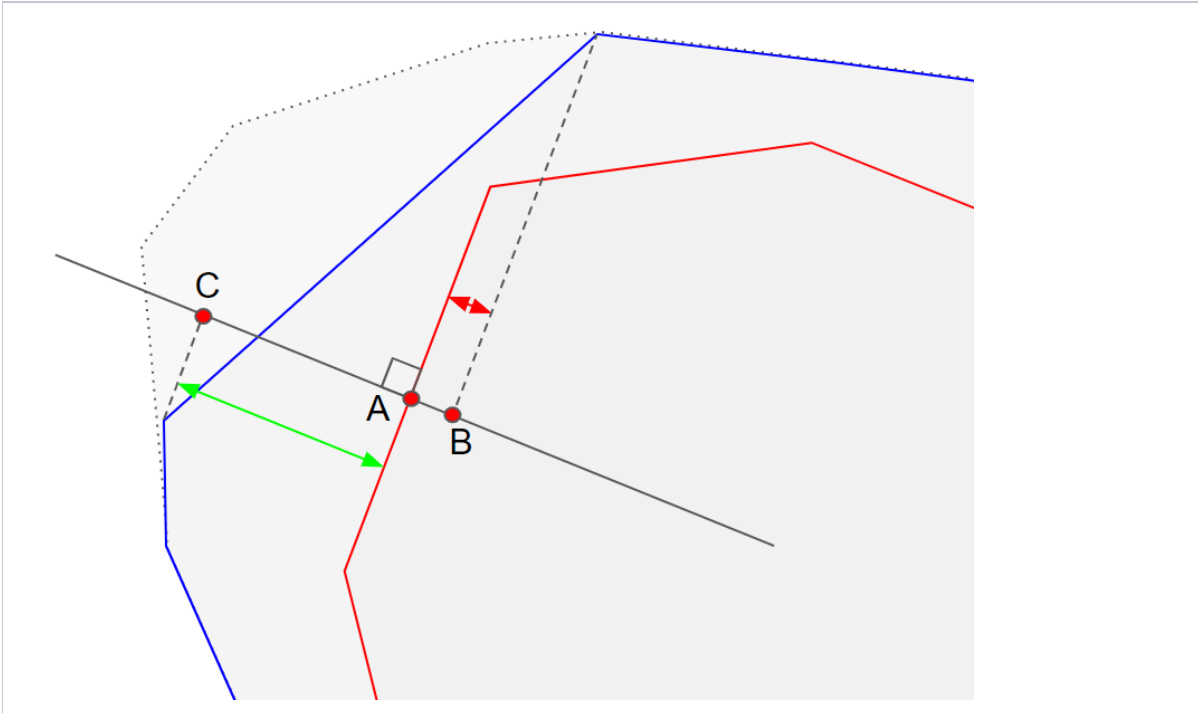
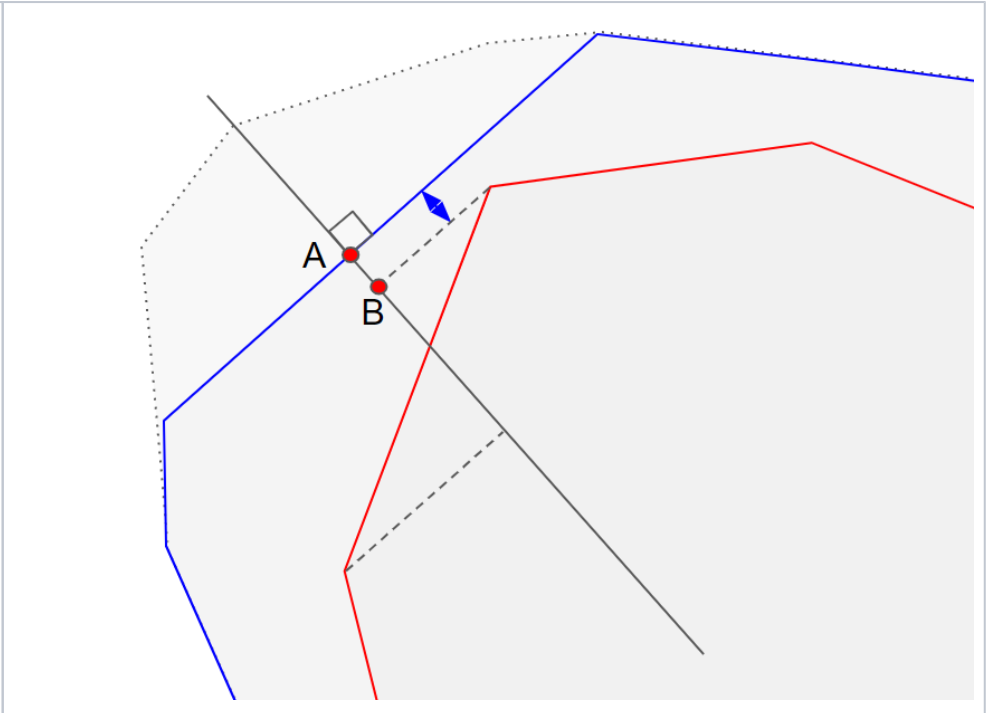
Distance from Reference/Current

In Comparative I3D Mini View, two special modes are available:

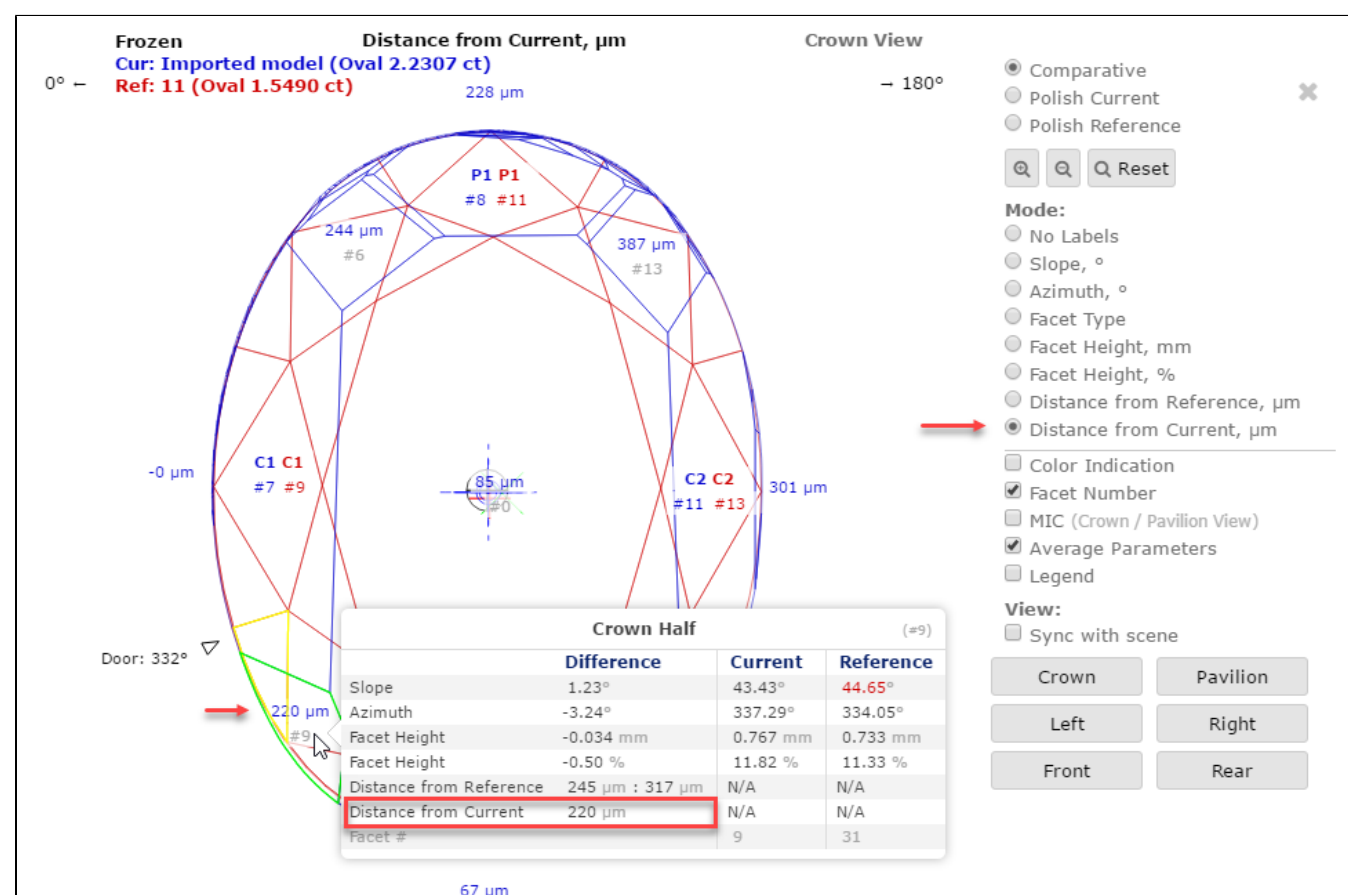
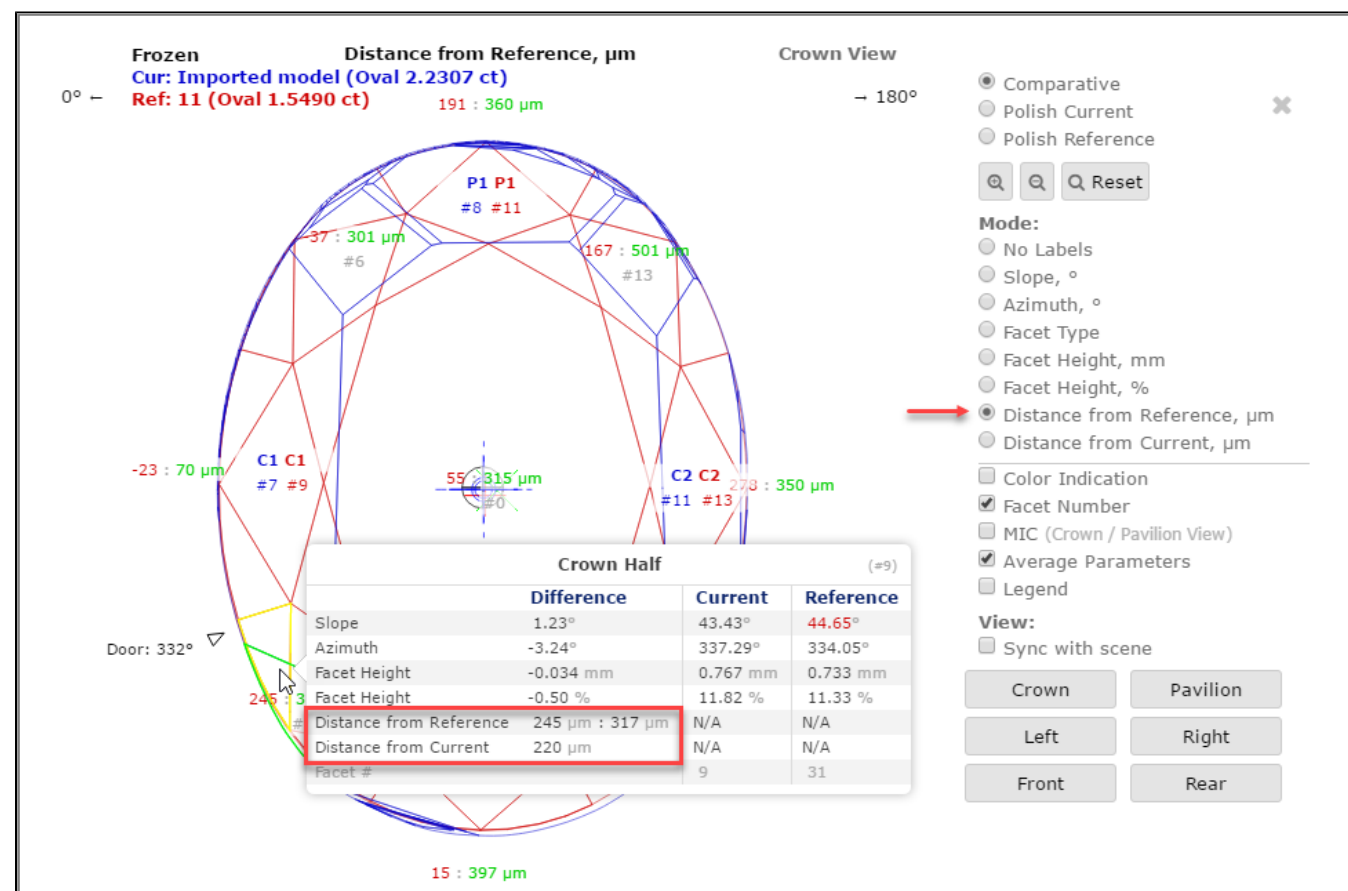
- Distance from Reference, μm
- Distance from Current, μm

Distance from Reference, μm

Distance from Current, μm

	
• A - intersection of facet of reference and normal to it • B - from all the projections of facet of current onto normal - the one with minimum distance from the <i>center</i> • C - from all the projections of facet of current onto normal - the one with maximum distance from the <i>center</i> • A-B - Distance from Reference, μm • A-C - Distance from Reference, μm	• A - intersection of facet of current and normal to it • B - from all the projections of facet of reference onto normal - the one with minimum distance to A • A-B - Distance from Current, μm
Notes on meaning:	
• The less the difference between maximum and minimum, the more parallel the facets of current and reference are. • Both values positive means the current is larger than the reference . • If Distance from Reference , min is negative (like on the picture above), this means a part of the facet of current should be kept. • Distance from Reference , max shows "how much should be cut in the correct direction" to get the result.	• "How much more can be cut parallel to the facet of the current?" • A positive value means the current is larger than the reference .

Here is an example:



Related Pages

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- [Interactive 3D Report](#)