


19. SmartRecut (Brilliant, Oval, AnyCut)

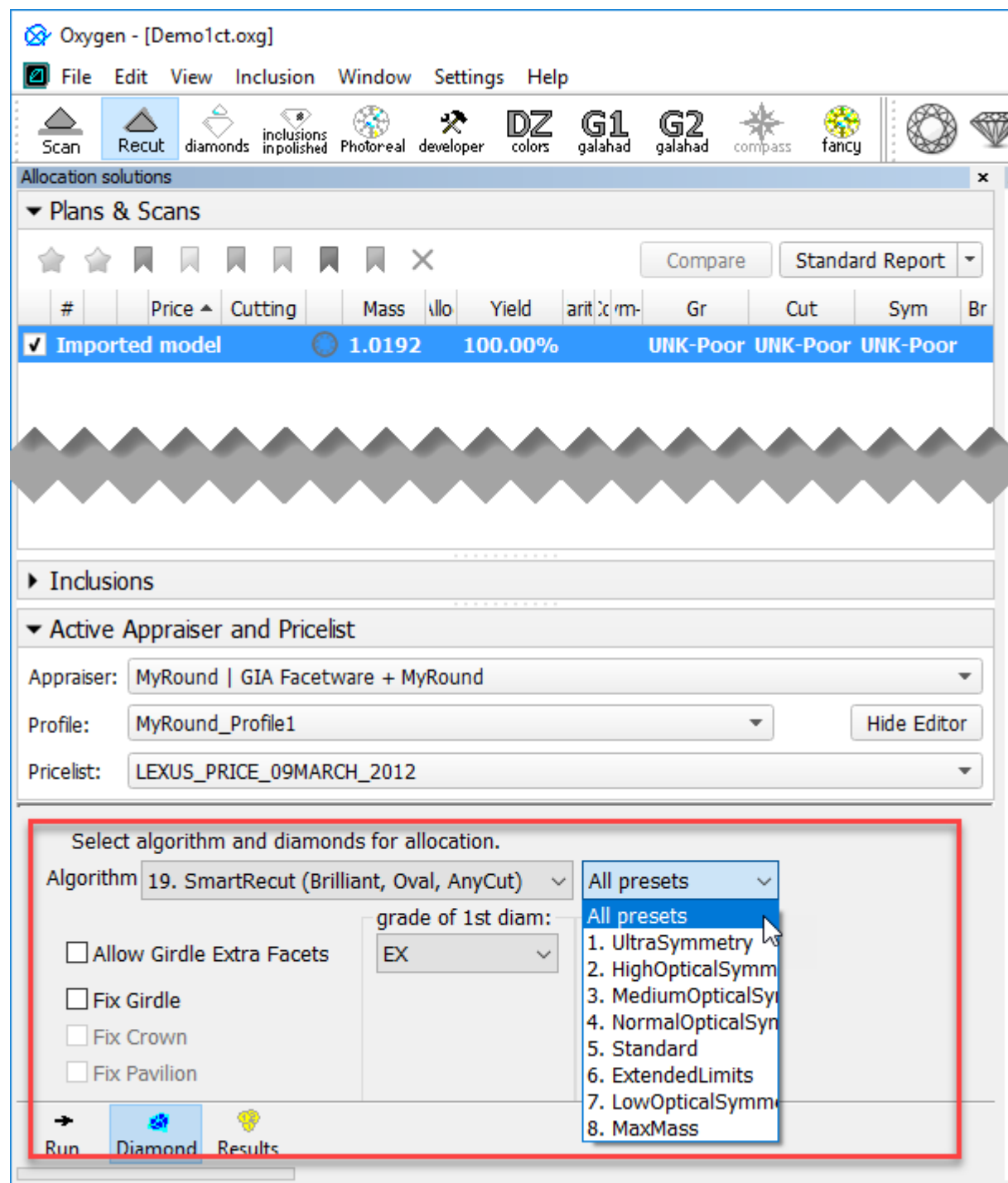
 This functionality is currently available only:

- under "Developer" HASP key
- under special key which includes [AnyCut Workflow](#) feature

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Overview

The "19. SmartRecut (Brilliant, Oval, AnyCut)" algorithm is used for [additional optimization](#) (after Recut) of the diamond cuttings, providing optimization both for Brilliant and Oval cuttings and for any other cuttings.



Custom Facet Marking

As when running the "19. SmartRecut (Brilliant, Oval, AnyCut)" algorithm for cuttings different from Brilliant and Oval, it is necessary to have a Custom Facet Marking, it is important for the user to have this marking selected. Now if the Custom Facet Marking is not defined, the system will display a warning:

[blocked URL](#)

For solutions on standard cuttings, the facet marking is applied immediately after solution creation, even if you do not click the **Custom Report** button and instead of the Polish Report method, the system uses the sample markings specified for each standard cutting. In accordance with the **Cutting** parameter of the solution, the facet marking from the corresponding sample is automatically transferred to your solution and saved for it.




This means, that for **solutions with standard cutting**, you do **not need to upload a custom marking from a sample every** time.





Still, it is recommended to check, if the automatically applied marking is accurate by accessing the **Facet Marking** dialog (available on clicking the **Custom Report** button).


Facets	Element	Tier	Type	SubType	No.	Color	Alias	
x 1	Table						Rename..	
x 4	Crown		Corner				Rename..	
x 4	Crown	1	Main				Rename..	
x 4	Crown	2	Main				Rename..	
x 8	Crown	2	Half				Rename..	
x 4	Girdle						Rename..	
x 4	Pavilion		Main				Rename..	
x 4	Pavilion		Corner				Rename..	
x 8	Pavilion	1	Half				Rename..	
x 8	Pavilion	2	Half				Rename..	


Standard



Brilliant



Pear



Oval



Marquise



Heart



Radiant



Step Cut



Emerald



Cushion



Princess


Cylinder


Asian Star

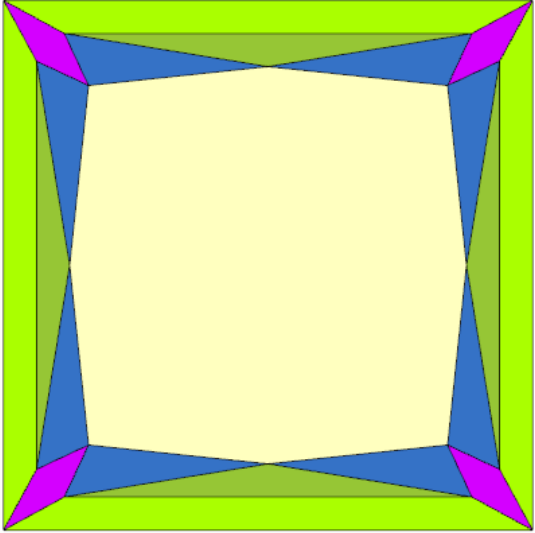

Any Cut


Polish Polyhedron


Rough Polyhedron


No Generic Facets (Total: 49 facets)

SortNew Group

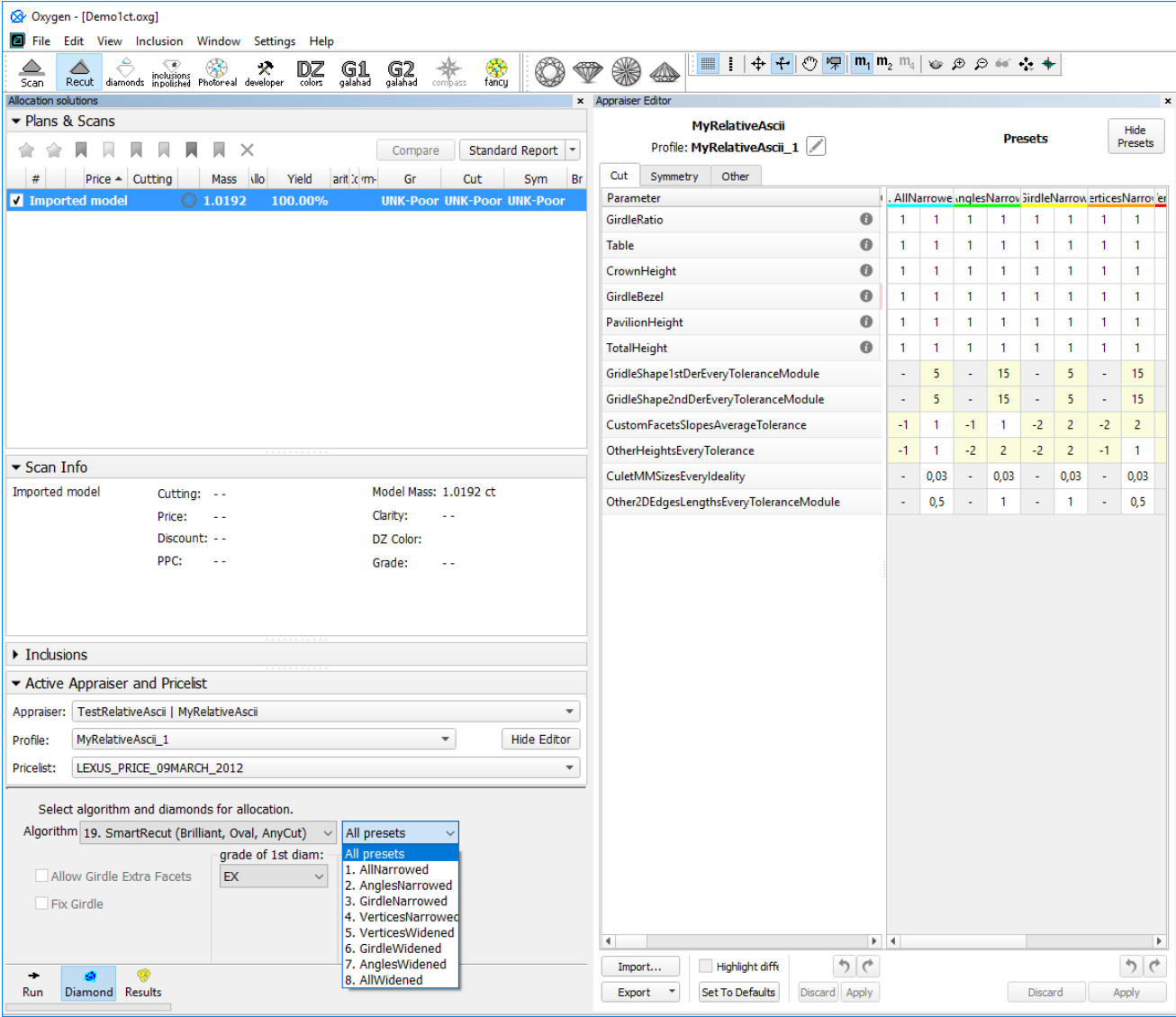


Interaction with AnyCut Relative Appraiser

The "19. SmartRecut (Brilliant, Oval, AnyCut)" algorithm is now able to interact with the new AnyCut relative appraiser: all the parameters of the AnyCut relative appraiser are supported by the algorithm, that is the algorithm allocates solutions taking into account the requested **grade of 1st diam** and **symmetry** grades and grade boundaries defined by the relative appraiser.



urrently the interaction between the SmartRecut algorithm and the Relative appraiser is under development, which means in some cases the algorithm may produce parameters outside the appraiser boundaries, specifically for the **Symmetry** tab.



Example of the interaction of the "19. SmartRecut (Brilliant, Oval, AnyCut)" algorithm and AnyCut relative appraiser is presented on the [AnyCut Relative Appraiser](#) page.

Related Pages

- [User Cutting Registration](#)
- [AnyCut Relative Appraiser](#)
- [19. SmartRecut \(Brilliant, Oval, AnyCut\)](#)
- [AnyCut Workflow](#)