
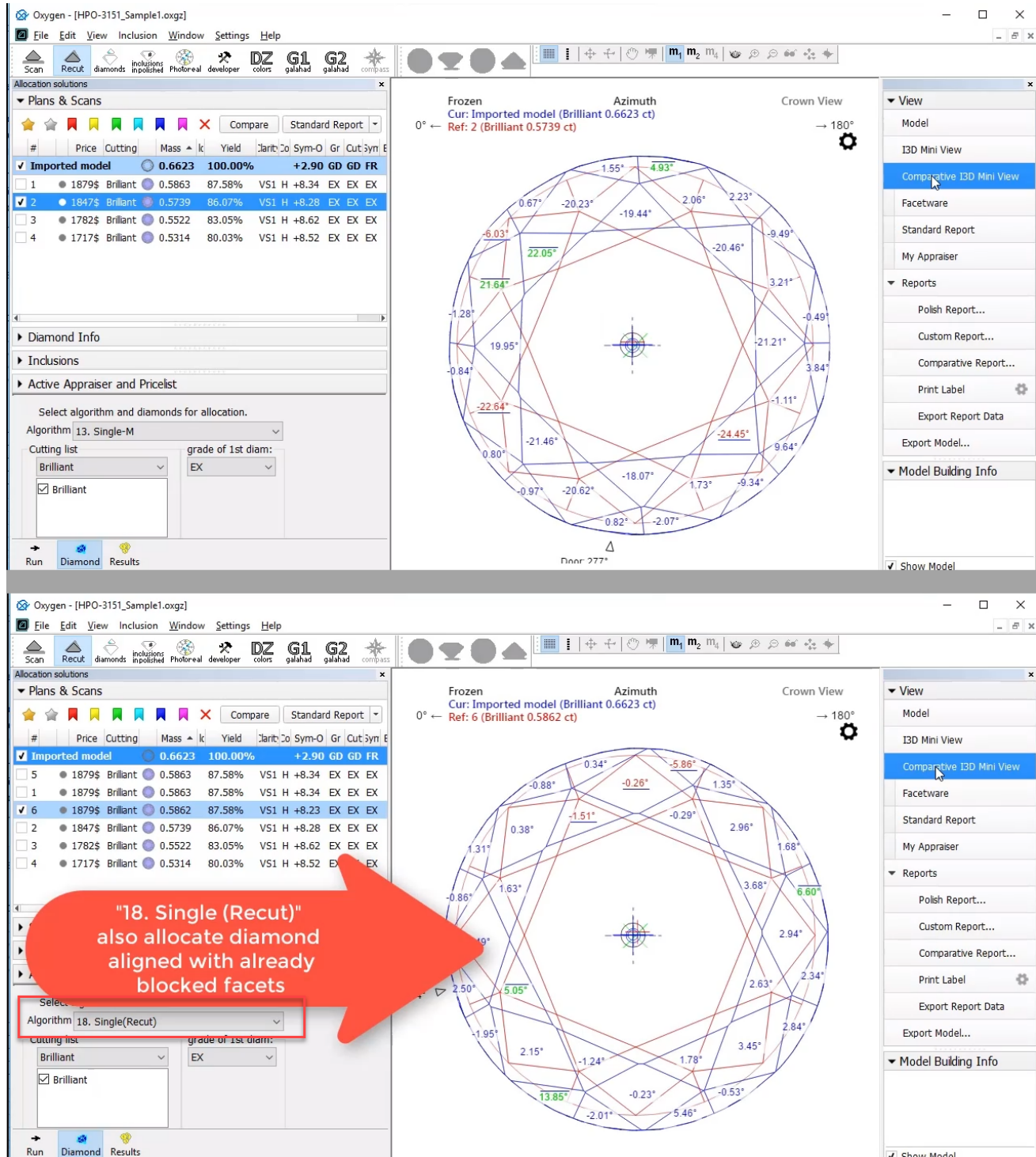


# Algorithm "18. Semipolished"

 Previous name: "18. Single (Recut)" (till version 5.2.22)

After scanning a blocked diamond, an operator may run the allocation algorithm to check available polishing options. In some cases, algorithms presented in the system offer solutions which are not aligned with the blocked facets. This may be worthless to restart polishing with such a new plan and it may be also not good to use it as a start for asymmetric allocation SmartRecut. The "18. Semipolished" algorithm allows building solutions aligned to the already blocked facets. At least one of the solutions produced by the algorithm is normally aligned to the already blocked facets of a scanned semipolished stone.



The screenshot displays the Oxygen software interface for diamond allocation. The left panel shows the 'Allocation solutions' table with columns for #, Price, Cutting, Mass, Yield, and various facet angles. The 'Imported model' is selected, showing a mass of 0.6623 and a yield of 100.00%. The 'Diamond Info' section shows the selected algorithm as '18. Single-M' and the grade of the 1st diamond as 'EX'. The 'Diamond' button is highlighted. The right panel shows a 'Crown View' of the diamond model, displaying the facets and their angles. The 'View' menu on the right includes options like 'Model', 'I3D Mini View', 'Comparative I3D Mini View', 'Facetware', 'Standard Report', 'My Appraiser', 'Reports', 'Polish Report...', 'Custom Report...', 'Comparative Report...', 'Print Label', 'Export Report Data', 'Export Model...', and 'Model Building Info'. A red arrow points to the '18. Single (Recut)' algorithm in the 'Allocation solutions' table, with a text box stating: "18. Single (Recut)" also allocate diamond aligned with already blocked facets.

#	Price	Cutting	Mass	Yield	1st Facet	2nd Facet	3rd Facet	4th Facet
1	1879\$	Brilliant	0.5863	87.58%	VS1 H	+8.34	EX	EX
2	1847\$	Brilliant	0.5739	86.07%	VS1 H	+8.28	EX	EX
3	1782\$	Brilliant	0.5522	83.05%	VS1 H	+8.62	EX	EX
4	1717\$	Brilliant	0.5314	80.03%	VS1 H	+8.52	EX	EX

Some details and examples you can find in the video: