

# 2016.04.12 - Helium Polish: version 5.6.85.1, report.dll version 2.7.23.1, report templates dd 12.04.2016

Release contains:

File	Version
HeliumPolish.exe	5.6.85.1
report.dll	2.7.23.1
Reports templates	2016-04-12

In this version we made following changes:

1. Main change and goal of this version is implementation of cutting CODEs.

We implemented cutting code as AA BB CC where AA – outline, BB-Corner and CC-Faceting Style. This value for cutting is exported by Export All and looks like

CUTTING\_CODE=03 04 02

Important notes and limitations:

Codes which are not implemented yet:

From AA - Polygon ( 4 )  
From BB - Chamfered ( 2 )  
From CC - Mix ( 3 )

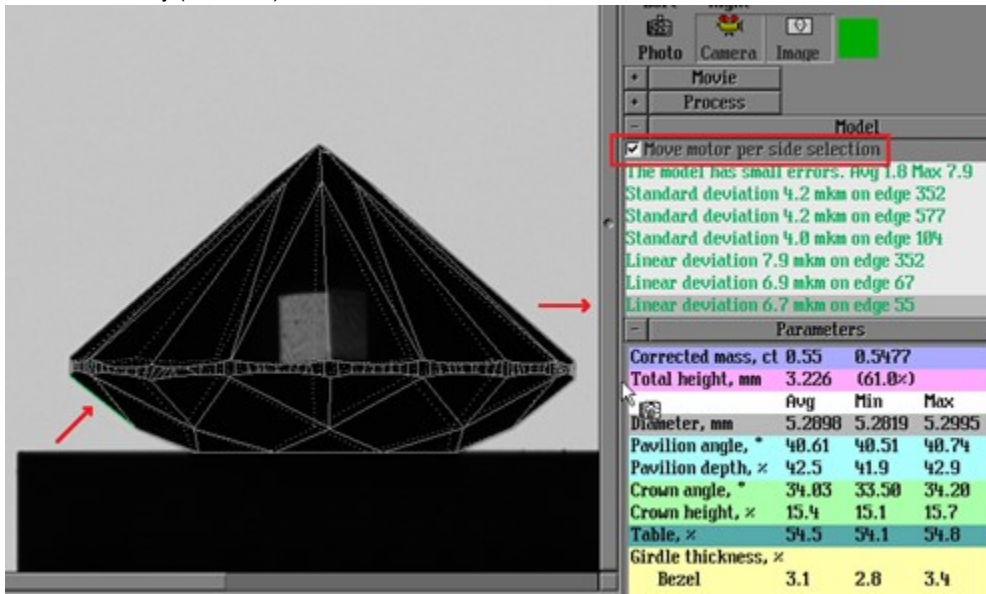
2. Parameter "Vertex azimuth symm" is added to reports for correspondence between Appraiser Editor HPO panel and report.dll (Polish reports)":

Parameter		Avg	Min	Max	Dev	Cut	Symm
Misalignment (ALN)	°	2.06					
Junction Bezel Twist Max	°	1.72					
Junction Bezel Twist	°	0.35	-1.40	1.72	3.11		
Junction Bezel Twist	mm	0.023	-0.090	0.110	0.200		
Junction Bone Twist Max	°	2.06					
Junction Bone Twist	°	0.53	-0.29	2.06	2.36		
Junction Bone Twist	mm	0.034	-0.019	0.132	0.151		
Sum painting	°	-0.11					
Girdle Angle Max	°	1.05					
Main Crown Facets Azimuth Symm	°	3.45					
Main Crown Facets Azimuth Symm 1	°	3.4					
Main Crown Facets Azimuth Symm 2	°	3.9					
Main Pavilion Facets Azimuth Symm	°	1.38					
Main Pavilion Facets Azimuth Symm 1	°	1.4					
Main Pavilion Facets Azimuth Symm 2	°	1.3					
Star Facets Azimuth Symm	°	2.73					
Star Facets Azimuth Symm 1	°	2.7					
Star Facets Azimuth Symm 2	°	3.1					
Girdle height Bezel local Deviation	%	0.28	0.01	0.67	0.65		
Girdle height Bone local Deviation	%	0.36	0.08	0.77	0.68		
Girdle height Valley local Deviation	%	0.18	0.02	0.51	0.49		
Star Facet Twist	°	0.99					
Star Facet Twist Symmetry	°	-0.2	-1.0	0.7	1.7		
Opposite Azimuth	°	3.33					
Opposite Azimuth Pavilion	°	0.79	0.09	1.38	1.29		
Opposite Azimuth Crown	°	2.49	1.39	3.33	1.94		
Opposite Azimuth Crown-Pavilion	°	1.05	0.31	1.62	1.30		
Opposite Slope Sum Half	°	0.20					
Vertex Azimuth Symm	°	5.05					

This is last parameter which was not implemented to report.dll before. So since this version all parameters are synchronized between

HPO and report.dll.

- Since this version click on error in Model Building Info rotates stone to Door (previously historically it was rotated opposite to door) to clean stone easily (if needed).



- Parameter Squareness is added for cuttings Marquise, Cushion, Oval and to reports:

- Full\_report\_for\_rounded\_fancies.rtf
- Full\_report\_for\_cushion.rtf

Parameter		Avg
Squareness		0.861