2016.09.08 - Helium Polish version 5.6.89.1, report.dll version 2.10.2.1, BrilRecon.dll version 1.1.17.1

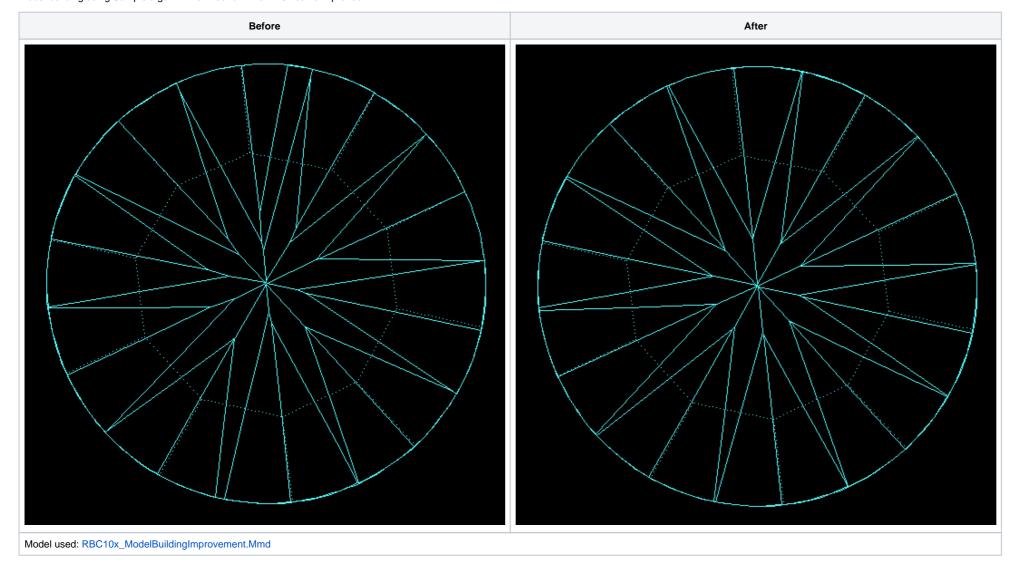
Release contains:

File	Version
HeliumPolish.exe	5.6.89.1
report.dll	2.10.2.1
BrilRecon.dll	1.1.17.1
Reports templates	2016-07-12 (not changed)

In this version we made the following changes:

Model building

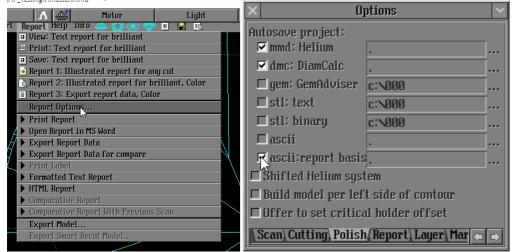
1. Model building using Sample algorithm for Round Brilliant 10x cut is improved.



Reports

- Model can be exported to ASCII format in standard orientation (that is, oriented the same way as in the polish reports).
 To enable ASCII export upon scanning or rebuilding, go to Report Report options and check the following check boxes:
 - a. ascii:report basis if you want to export models in standard orientation (same as in the reports).

b. ascii if you want to export models in the same orientation as scanned.



If you checked both options, make sure the files are saved into different folders.

ainting parameters ha	ave their sign r	eversea,							
Paint / Dig		Av	ď	Type	Sym	Ma	ax	Dev	Sym
Crown painting	۰	-0.4	11	Painting	EX	-0.			EX
Crown painting	notches	0.1, Ver	y small	Painting		0.	2	0.2	LA
Pavilion painting	۰	-0.14 0.0, Negligible		-	EX	-0.		0.79	EX
Pavilion painting	notches					0.	0.2		LA
Paint / Dig		1	2	3	4	5	6	7	8
Crown painting		-0.35	-0.53	-0.30	-0.44	-0.21	-0.57	-0.08	-0.40
		-0.35	-0.46	-0.33	-0.74	-0.33	-0.59	-0.34	-0.61
Crown painting	notches	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.1
	Hotches	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2
Pavilion painting		0.14	0.12	-0.27	-0.25	0.09	-0.41	0.08	-0.49
		0.09	-0.29	-0.23	-0.60	0.19	-0.25	0.10	-0.27
Pavilion painting	notches	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1
	Hotolics	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.1
				,	0.2	0.1	0.1	0.0	0.1
Paint / Dio			1	1				,	
Paint / Dig Crown painting	6	A\ 0.4	/g	Туре	Sym	M	ax	Dev	Sym
Crown painting	° notches	Av 0.4	/g 11	1			ax 74	Dev 0.66	
Crown painting Crown painting	o notches	Av	/g I1 y small	Туре	Sym EX	0. 0.	ax 74 2	Dev 0.66 0.2	Sym EX
Crown painting Crown painting Pavilion painting	notches	0.4 0.2 0.1, Ver	/g I1 y small	Туре	Sym	M:	74 2 60	Dev 0.66	Sym
Crown painting Crown painting	۰	Av 0.4 0.1, Ver	/g I1 y small	Туре	Sym EX	0. 0.	74 2 60	Dev 0.66 0.2 0.79	Sym EX
Crown painting Crown painting Pavilion painting	۰	0.4 0.2 0.1, Ver	/g I1 y small	Туре	Sym EX	0. 0.	74 2 60	Dev 0.66 0.2 0.79	Sym EX
Crown painting Crown painting Pavilion painting Pavilion painting Pavilion painting	۰	0.4 0.2 0.1, Ver	/g l-1 y small l-4 gligible	Type Painting	Sym EX EX	M: 0.0 0.0 0.0	74 2 60 2	Dev 0.66 0.2 0.79	Sym EX EX
Crown painting Crown painting Pavilion painting Pavilion painting	notches	0.4 0.1, Ver 0.0, Ne	/g I-1 y small I-4 gligible	Type Painting	Sym EX EX	MM 0. 0. 0.4 0.	74 2 60 2	Dev 0.66 0.2 0.79 0.2	Sym EX EX
Crown painting Crown painting Pavilion painting Pavilion painting Pavilion painting Paint / Dig Crown painting	notches	0.4 0.1, Ver 0.1 0.0, Ne	y small 4 gligible 2 0.53	Type Painting	Sym EX EX 4 0.44	0.00 0.00 0.00 0.00	2 6 0.57	Dev 0.66 0.2 0.79 0.2	Sym EX EX 8 0.40 0.61 0.1
Crown painting Crown painting Pavilion painting Pavilion painting Pavilion painting	notches	0.4 0.1, Ver 0.1, O.0, Ne	(9 11 y small 14 gligible 2 0.53 0.46 0.1	Type Painting 3 0.30 0.33 0.1 0.1	EX EX 4 0.44 0.74 0.1 0.2	MM 0.0 0.0 0.0 0.21 0.33 0.1	6 0.57 0.59 0.2	Dev 0.66 0.2 0.79 0.2 7 0.08 0.34 0.0 0.1	Sym EX EX 8 0.40 0.61 0.1 0.2
Crown painting Crown painting Pavilion painting Pavilion painting Pavilion painting Crown painting Crown painting	notches	A\ 0.4 0.1, Ver 0.1 0.0, Nei 1 0.35 0.35 0.1	/g I1 y small I4 gligible 2 0.53 0.46 0.1 0.1 -0.12	Type Painting 3 0.30 0.33 0.1 0.1 0.27	EX EX 4 0.44 0.74 0.1 0.2 0.25	M. 0.1 0.1 0.1 0.1 0.1 0.3 0.1	6 0.57 0.59 0.2 0.41	Dev 0.66 0.2 0.79 0.2 7 0.08 0.34 0.0	Sym EX EX 0.40 0.61 0.1 0.2 0.49
Crown painting Crown painting Pavilion painting Pavilion painting Pavilion painting Paint / Dig Crown painting	notches	0.1, Ver 0.1, Ver 0.1, O.0, Nei 1 0.35 0.35 0.1 0.1	(g 11 y small 4 gligible 2 0.53 0.46 0.1 0.1 -0.12 0.29	Type Painting 3 0.30 0.33 0.1 0.1	EX EX 4 0.44 0.74 0.1 0.2 0.25 0.60	0.0 0.0 0.1 0.33 0.1 0.1 0.09 0.19	6 0.57 0.59 0.2	Dev 0.66 0.2 0.79 0.2 0.34 0.0 0.1 -0.08 -0.10	Sym EX EX 8 0.40 0.61 0.1 0.2
Crown painting Crown painting Pavilion painting Pavilion painting Pavilion painting Crown painting Crown painting	notches	A\(0.4\) 0.1, Ver 0.1 0.0, Nei	/g I1 y small I4 gligible 2 0.53 0.46 0.1 0.1 -0.12	Type Painting 3 0.30 0.33 0.1 0.1 0.27	EX EX 4 0.44 0.74 0.1 0.2 0.25	M 0. 0. 0.1 0.33 0.1 0.1 0.09	6 0.57 0.59 0.2 0.41	Dev 0.66 0.2 0.79 0.2 7 0.08 0.34 0.0 0.1 -0.08	Sym EX EX 0.40 0.61 0.1 0.2 0.49



1 Note that the Dev values and the measurements in notches are defined as absolute values, hence their sign is not changed.

Bugfixes

- Bugs that caused incorrect drawing of the girdle 2D graph and occasional negative girdle valley height values for stones with cavernous girdles are fixed.
 The following bugs in the Round brilliant 10x report are fixed:

 a. Only 4 out of 5 Table width values were shown.
- - **b.** Only 8 out of 10 values of Crown height bone and Girdle height bone were shown.