

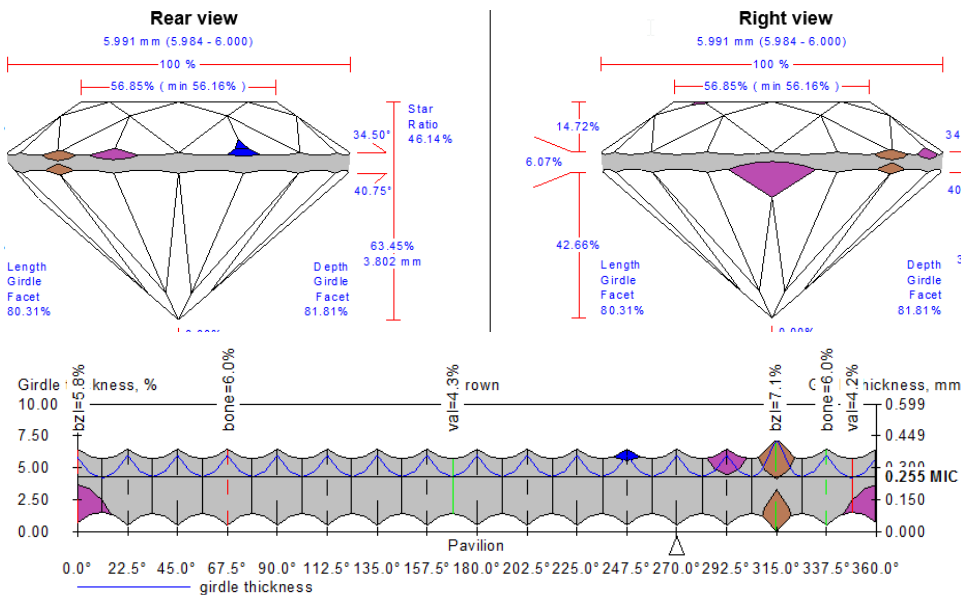
# 2015.03.20 - Helium Polish version 5.6.68.1, BriRecon.dll version 1.1.9.1, report.dll version 2.4.26.1, new templates dd 13.03.2015

Release contains:

File	Version
HeliumPolish.exe	5.6.68.1
report.dll	2.4.26.1
BriRecon.dll	1.1.9.1
Reports templates	2015-03-13

In this version we made following changes:

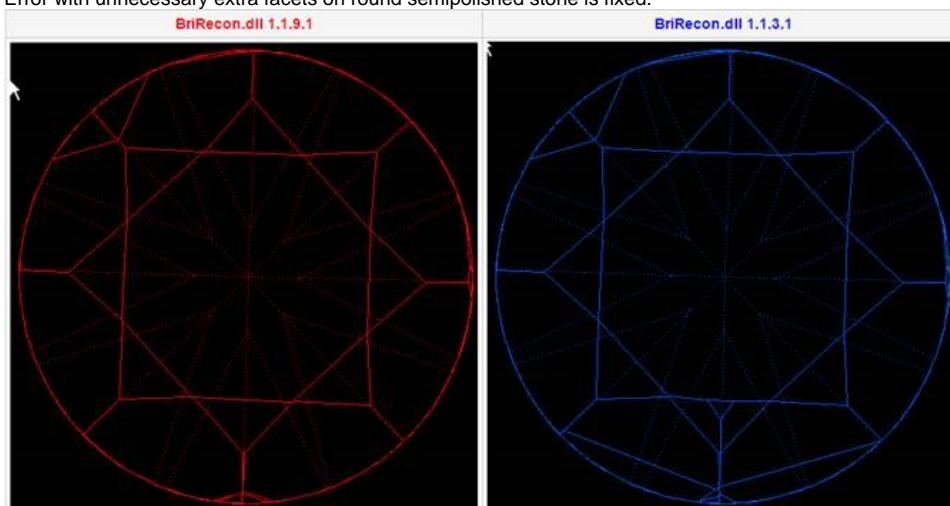
- 1. Correct accounting and coloring of extra facets.  
Currently girdle facets are shown by brown (steep - more than 75 degrees) and blue (shallow - less than 75 degrees). Crown and pavilion extra facets are shown by magenta. If extra facet is made of several model facets then they are combined in one – look at blue girdle facet on Rear view below – extra facet is formed by 2 model facets but it is counted in report as 1 shallow girdle facet.



Extra Facet Girdle (steep/shallow)	3 (2/1)
Extra Facet Crown	Yes (2)
Extra Facet Pavilion	Yes (1)

- 2. Changes in algorithm of screening photos with too bright (intensity more than 250) pixels – currently only photos when we have 2 neighboring bright pixels (or more) will be eliminated (before even 1 bright pixel eliminates photo). So “Light dazzle in a row” message should not come if one pixel is bad.
- 3. We add algorithm which can build stepcut and baguette stones as in old versions of software: it is Cutting: Emerald in Scan polished diamond panel. So we have:
  - a. Cutting: Stepcut (here program choose best model among methods Stepcut, Emerald, Anycut)
  - b. Cutting: Emerald ((here program choose best model among methods Stepcut, Emerald).

4. Error with unnecessary extra facets on round semipolished stone is fixed.



5. Error when princess with large elongation is recognized as Emerald fixed.  
6. Crown Curve data info missing for Marquise is fixed – please use new templates:

### **Detailed parameters**

Parameter		1	2	3	4
Crown head angle	°	N/A	N/A	N/A	
Crown shoulder angle	°	N/A	N/A		
Crown curve angle	°	32.49	32.53	32.27	32.67
Crown wing angle	°	32.69	32.78	31.83	32.91
Crown point angle	°	25.77	25.70		
Crown head azimuth	°	N/A	N/A	N/A	
Crown shoulder azimuth	°	N/A	N/A		
Crown curve azimuth	°	10.22	167.47	190.57	348.34
Crown wing azimuth	°	35.29	145.52	214.62	326.31
Crown point azimuth	°	88.39	270.86		
Crown head height	%	N/A	N/A	N/A	
Crown head height	mm	N/A	N/A	N/A	
Crown shoulder height	%	N/A	N/A		
Crown shoulder height	mm	N/A	N/A		
Crown curve height	%	12.80	12.41	12.21	13.01
Crown curve height	mm	0.735	0.712	0.701	0.747
Crown wing height	%	13.15	12.72	11.76	12.01
Crown wing height	mm	0.755	0.731	0.675	0.690
Crown point height	%	14.69	13.03		

7. We fixed some bug with wrong bookmarks in Full\_report\_for\_brilliant.rtf for parameters Girdle-Culet offset by table axis, Girdle-Table offset by table axis and in all HTML reports for parameter Girdle to table-culet line offset in % and in mm.