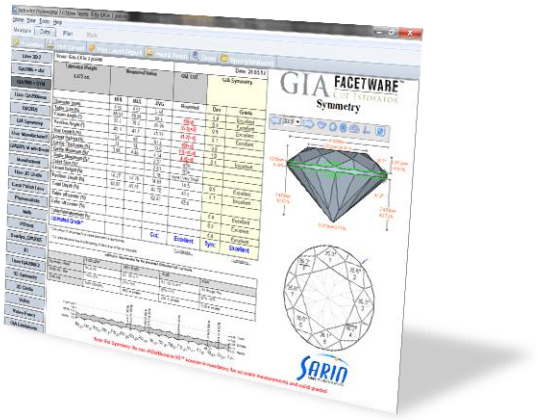
June, 2012

Dear valued customers,

Instructor™ 2.6 service pack software release includes many fixes and improvements. Please follow all the supporting documents to extract the most of Instructor™.



Supporting documents

Instructor™ 2.6 User Guide	New features tips and tricks
Instructor 2.6 Technical Notes	PCI Express, new MHC,
Instructor 2.6 Languages Support	Hebrew / Chinese / Guajarati

What's new in 2.6 ?

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1. GIA® Symmetry Support

Instructor™ 2.6 support the official GIA® symmetry* view for round brilliant stones. Application includes 3 New GIA Symmetry views: '**GIA symmetry'** , '**GIA 2005 + SYM'** and **GIA Detailed,** including support symmetry **Borderline warnings** in cases the symmetry grade is reaching the border.

See more Instructor™ 2.6 User Guide

**Please note:*

1. *Only **DiaMension™ HD** is qualifies by the GIA to measure symmetry.*
2. *GIA Symmetry grade **is partial**, as some symmetry aspects not being calculated and are manually graded.*
3. *Those new views override **Symmetry HOTFIX** released in February 2012*

New Symmetry Accessors (please see appendix for details)

Accessor	Example
Roundness	[GIASYM. Roundness.Symmetry]
Table off center	[GIASYM. TableOffCenter.Symmetry]
Culet off center	[GIASYM. CuletOffCenter.Symmetry]
Table / Culet alignment	[GIASYM. TableOffCulet.Symmetry]
Crown angle variation	[GIASYM. CrownAngle.Symmetry]
Crown height variation	[GIASYM. CrownHeight.Symmetry]
Pavilion depth variation	[GIASYM. PavilionHeight.Symmetry]
Pavilion angle variation	[GIASYM. PavilionAngle.Symmetry]
Girdle thickness variation	[GIASYM. GirdleThickness.Symmetry]
Table size variation	[GIASYM. TableWidth.Symmetry]

Additional New Symmetry Accessors (Not GIA®)

Table and Girdle are not parallel	[AGL.Girdle.AngleFromTable.deg]
Misshapen Facet Variation	[AGL.crown.1.MisshapenFacets.max.mm]
Facet misalignment accessors	[AGL.Crown.2.Misalignment.1.mm]
Extra facet area size	[GIASYM.Crown.4.Area.1.perc]

2. 3D Cross Bars tool in Side View (Symmetry axis)

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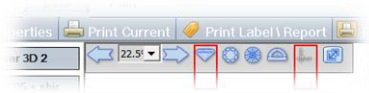
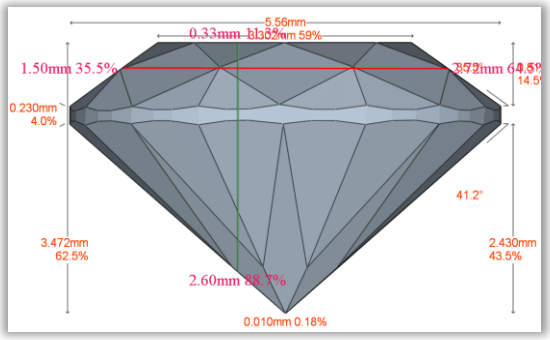
The ***'Symmetry axis tool'*** is now expanded to side-view as well.



Simply click on the side-view button while using the tool.

See more Instructor™ 2.6 User Guide

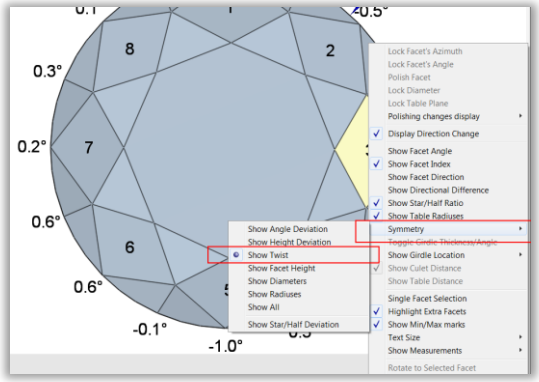


3. 3D New Additional Information

3D now includes all facet information and deviations.

For example: Facets' height value or bezels to pavilion main-facets' TWIST information, as can be seen in the picture to the right.

See more Instructor™ 2.6 User Guide



4. 3D Girdle location Min/Max

On 3D '*Show girdle line'* tool is now expanded to include the:

- **Max lines** = outer, girdle mountains confining lines
- **Min lines** = inner, minimum girdle valleys bounded lines
- **None =** no line will be presented

Girdle Min

Girdle Max

See more Instructor™ 2.6 User Guide

5. Hebrew / Chinese / Guajarati - Languages support

Application all menu, buttons, dialogs and messages now in **Hebrew**, **Guajarati** and **Chinese**. Please see Instructor 2.6 Languages Support

6. User-limits Defaults (re-cut)

Instructor™ 2.6 installation comes with Grading systems factory defaults of **user-limits**. Most common diamonds industry standards re-cut algorithm **User-limits**. See standards values to the right.

	Minimum	Maximum
Excellent		
Culet Size	0	0.50
Star Length	45	55
Lower Halves	75	82
Very Good		
Culet Size	0	1.00
Star Length	45	55
Lower Halves	75	85
Good		
Culet Size	0	1.50
Star Length	40	60
Lower Halves	70	85
Fair		
Culet Size	0	2
Star Length	40	60
Lower Halves	70	85

7. Laptop UI screen resolution

Instructor™ can support monitors with minimal 1280x 800 pixels screen resolution, such as laptops.

8. Save live video of the stone

New capability that enables to save a in light images of the diamond. Along the old SRN , STL and DAT files save, new ability to record in-light images of the stone. Similar to as CAP file in Advisor™.

Figure 1 - In-light video image

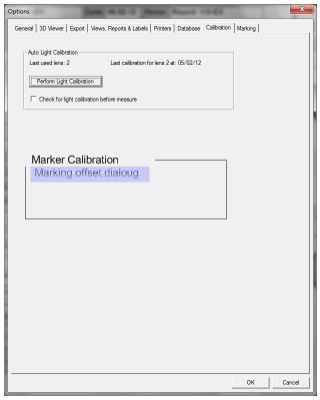
9. New GIA detailed View

Round brilliant information with facets level details to supports the GIA2005 view.

10. DiaMark™HD - Marker Adjustment Panel

New Laser adjustment control panel to fine tune DiaMarkHD laser within Instructor™ application (no need for XCaliber).

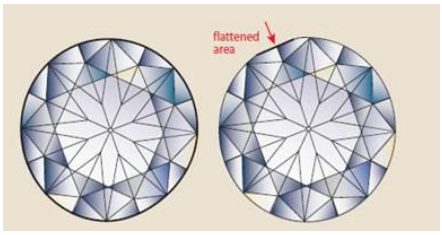
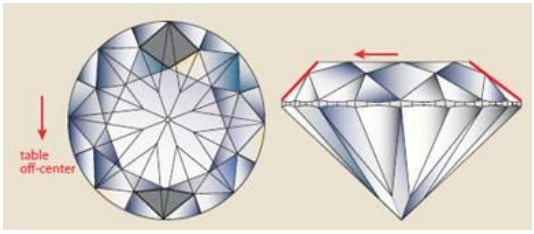
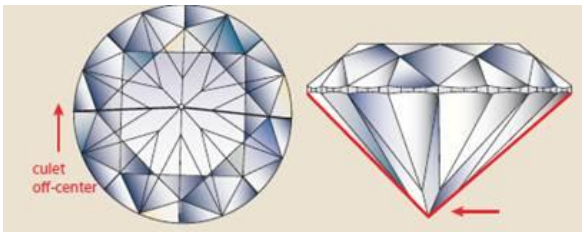
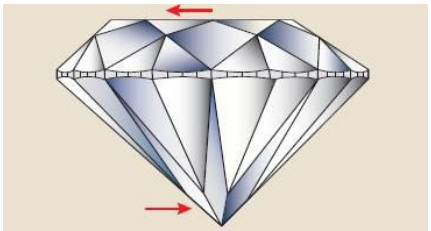
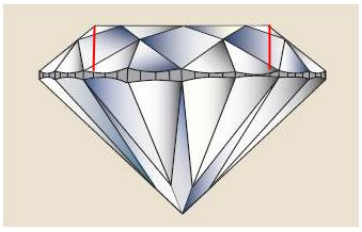
Please see Instructor 2.6 Technical Notes

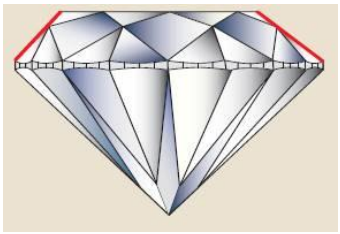
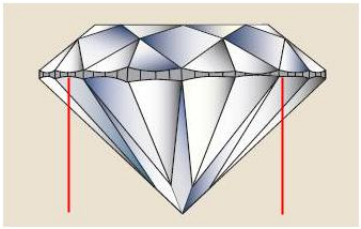
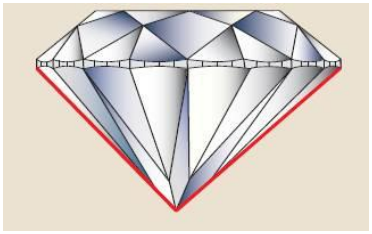
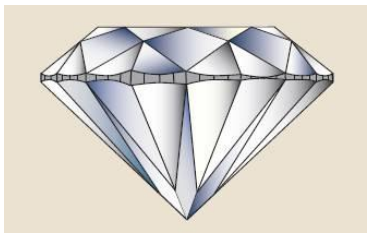


11. Accessors

Item	Accessor syntax and Example	Remarks
Misshapen Facet	Institute.Crown.<#belt>.MisshapenFacets.max.mm	Area in square mm.
	Institute.Pavilion.<#belt>.MisshapenFacets.max.mm	Area in square mm.
	Institute.Crown.<#belt>.MisshapenFacetsMaxOverlapIndex.1	facet number in the belt
	Institute.Crown.<#belt>.MisshapenFacetsMaxOverlapIndex.2	facet number in the belt
	[GIA.crown.2.MisshapenFacets.max.mm]	*Max Crown belt Main*
Table To Girdle	Institute.Girdle.AngleFromTable.deg	
	Institute.Girdle.Waviness.max.mm	
	Institute.Girdle.Waviness.max.perc	
	[agl.Girdle.AngleFromTable.deg]	*Girdle Angle From Table*
Stone Radius	Institute.Stone.AllRadiuses.max.mm	
	Institute.stone.AllRadiuses.max.deg360	
	[AGL.Stone.AllRadiuses.max.mm]	*Stone Radius Max*
Extra Facets	Institute.Crown.4.Area.<#number>.mm	
	Institute.Pavilion.4.Area.<#number>.mm	
	[GIASYM.Crown.4.Area.1.perc]	*Extra Facet In Crown (%)*
Facet misalignment	Institute.Crown.<Crown belt>.Misalignment.<# Pavilion facet >.mm	
	Institute.Crown.<Crown belt>.Misalignment.min.mm	
	Institute.Crown.<Crown belt>.Misalignment.min.perc	
	Institute.Crown.<Crown belt>.Misalignment.min.deg	
	Institute.Crown.<Crown belt>.Misalignment.max.mm	
	Institute.Crown.<Crown belt>.Misalignment.max.perc	
	Institute.Crown.<Crown belt>.Misalignment.max.deg	
	Institute.Crown.<Crown belt>.Misalignment.avg.mm	
	Institute.Crown.<Crown belt>.Misalignment.avg.perc	
	Institute.Crown.<Crown belt>.Misalignment.avg.deg	
	[AGL.Crown.2.Misalignment.2.deg]	*Crown Main Facet Two (Deg)*
	[AGL.Crown.2.Misalignment.3.mm]	*Crown Main Facet Three (mm)*

12. Appendix A – 10 symmetry parameters overview

Out-of-round The difference between the maximum and minimum diameter, as a percentage of the average diameter.	
Table Off-Center The direct distance between the table center and the outline center projected into the table plane, as a percentage of the average diameter.	
Culet Off-Center The direct distance between the culet center and the outline center projected into any horizontal plane such as the table plane, as a percentage of the average diameter	
Table/Culet Alignment The direct distance between the table center and the culet center projected into the table plane, as a percentage of the average diameter	
Crown Height Variation The difference between the maximum and minimum crown height values, as a percentage of the average diameter	

Crown Angle Variation The difference between the maximum and minimum crown angle values, in degrees	
Pavilion Depth Variation The difference between the maximum and minimum pavilion depth values, as a percentage of the average diameter	
Pavilion Angle Variation The difference between the maximum and minimum pavilion angle values, in degrees	
Girdle Thickness Variation The difference between the maximum and minimum girdle thickness values, as a percentage of the average diameter, measured at the bezel-main junctions	
Table Size Variation The difference between the maximum and minimum table size values, as a percentage of the average diameter.