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1 Preface

This Document is intended for Technical, Support or IT engineer. It concerns new, need to know, features and information concerning Instructor™ 3.5 support. For other documents, please review below:

- Instructor™ 3.5 Release Notes
- Instructor™ 3.5 Installation Guide
- Axiom calibration Technical guide
- Guides and How-to clips http://www.youtube.com/user/SarinTechnologiesLtd/videos

2 Operating System

2.1 Supported Operating Systems

Instructor™ 3.5 only supports Windows 7 32/64 bit operation system.

**Instructor™ 3.5 does not Support Win XP Operating System**

2.2 64 bit installation

Instructor™ 3.5 is installed under, Windows 7 – 64 bit, as a 32 bit application.
3 Hardware Support

3.1 Officially supported Sarine machines:

Instructor™ 3.5 supports the following Sarine machines:

- DiaMension™ AXIOM
- DiaMention™ HD
- DiaScan™ S+
- DiaExpert™
- DiaExpert-Eye™
- DiaMobile™ XL
- DiaMension™ Lab Edition Domino (Melody) - See Domino Official support section

It is highly recommended for users to only work with these machines.

3.2 Unsupported Sarine machines:

Instructor™ 3.5 does not support the following Sarine machines:

- DiaExpert-XL™
- Old DiaMension (Metror2 grabber, old systems)

3.3 New Drivers

Following new drivers will upgrade with updated version:

- BDR (CP210x USB to UART Bridge) 6.7
- Piccolo \ Domino 6.9.2.2305
- uEye 4.50
- Hasp 6.63
4 Software Support

4.1 GIA® Facetware

The GIA Facetware® now requires a separate settings to be enabled, in order to use the GIA Facetware®  2 conditions need to take place:

1. GIA features should be in the Hasp (as before)

![GIA Hasp Image]

2. Use the *new* GIA installation CD and click setup.exe
   (Note* GIA CD is a shared CD for both Instructor and Advisor)

4.2 H&A 2.0

In order to use the H&A 2.0 features, the following is a must:

**Nvidia® GeForce GT 430 – 96 CUDA Cores, 1 GB of Memory or higher.**

Note: Others greater NVidia Cards with equals or more than 96 CUDA Core are supported as well. E.g. NVidia GeForce GT 440 (96 CUDA Core).

4.2.1 New H&A Config

The new H&A module can be controlled with 3 new settings, the Settings\Options menu.

4.2.2 NVidia Driver

NVidia correct and most updated driver is very important check.

Please got to **Nvidia website** to allowed the most appropriate driver
4.3 New Reports & New Accessors

Instructor 3.5 now ships with 3 new Reports out of the box:

1. New Accessors – summary of new Accessors with explanation of how to use them.
2. GIA grades – includes a summary of all GIA grading Accessors
3. Fancy detailed reports – a new, comprehensive generic report to include all facet info.

4.4 Grading Editor

Instructor™ 3.5 includes new Grading editor (under ‘Settings’ menu) to setup and customize grading rules.

The new grading editor backward supports old grading systems. Import old grading system can be done either automatically with the [import] button in the editor or manually (see below).

4.4.1 Manually import old grading-system

1. Copy the old grading-data files (Institute, SGrules, TGrules, DataDef, PolishSettings) to the new 3.5 grading data folder.
2. Edit the ShapeInstituteTemplateMap.xml file to include a new <institute> entry with direction to the imported grading-system name.

4.5 AGS PGS support

Instructor 3.5 support the American Gem Society (AGS) cut grading system PGS software add-on (sold separately).

The AGS PGS is a report that can be viewed on the Print-preview window under "AGS Round Report".

The two external PGS input parameters: Symmetry and Polish, are now controlled via the Stone-properties window. User needs to set the two parameters prior the "AGS Round Report" initialization.
4.6 Editions

Instructor™ 3.5 comes in 4 different editions: Basic, Standard, Station and Professional.

For more info on the different editions please see the Release notes. Below are the HASP show for each edition.

4.6.1 Instructor™ Station

**Splash screen**

**Hasp view**

4.6.2 Instructor™ Basic

**Splash screen**

**Hasp view**
4.6.3 Instructor™ Standard

Splash screen

INSTRUCTOR™ 3.5
STANDARD EDITION

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Hasp view

4.6.4 Instructor™ Professional

Splash screen

INSTRUCTOR™ 3.5
DIAMOND STUDIO

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Hasp view