

EyeSuite™

**i 8.0.0 and newer
Connect to OKULIX**

Tips & Tricks

Connection of EyeSuite to PhacoOptics

Preface

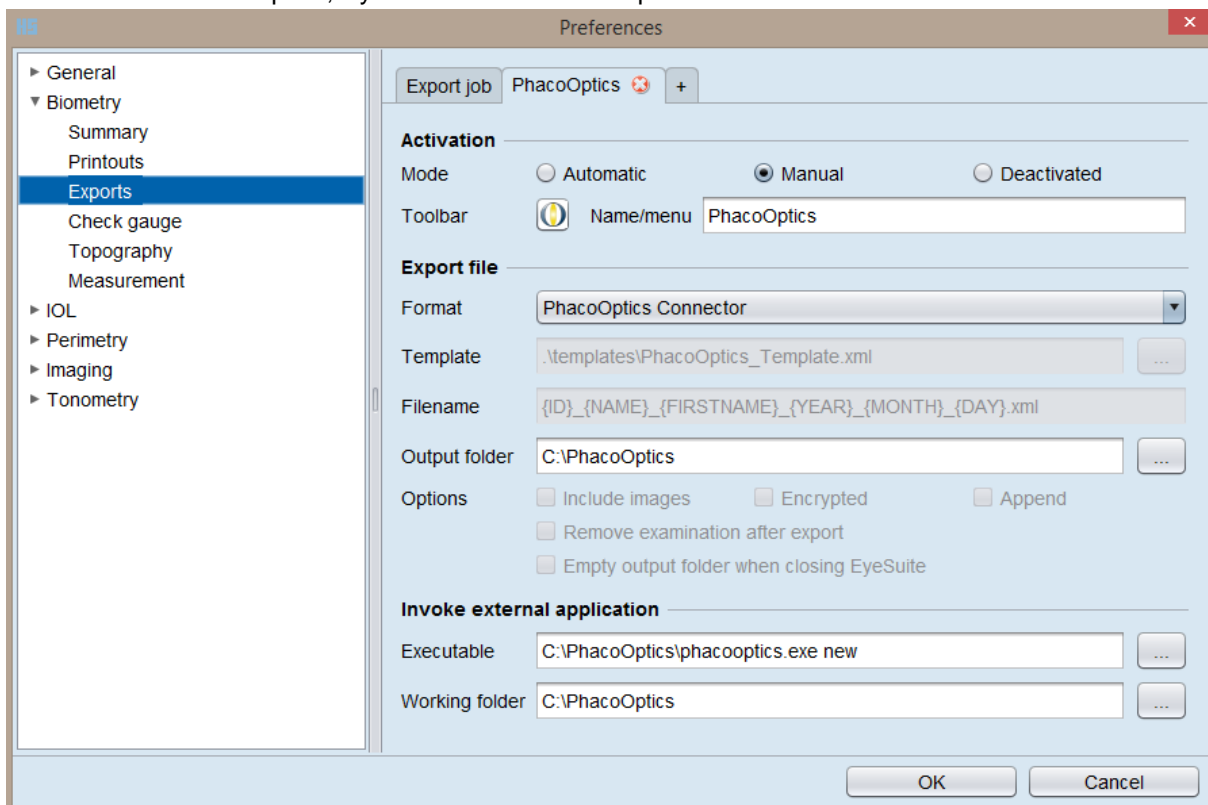
EyeSuite is able to connect to third party IOL calculation software. In this case EyeSuite is acting as a pure provider of measurement data to the third party software. Haag-Streit is not liable for any output of the third party software.

PhacoOptics is a powerful IOL power calculation and data management system for the ophthalmic lens surgeon to improve the refractive outcome of IOL implantation. Based on exact ray tracing (Snell's law of refraction) and paraxial ray tracing (Gaussian Optics) the IOL power calculation in this system has a superior efficiency, as documented by the scientific publications by Thomas Olsen, MD, the originator of this program.

(Source: www.phacooptics.com)

EyeSuite settings for PacoOptics

To connect to PhacoOptics, EyeSuite should be set-up as follows:



Activation

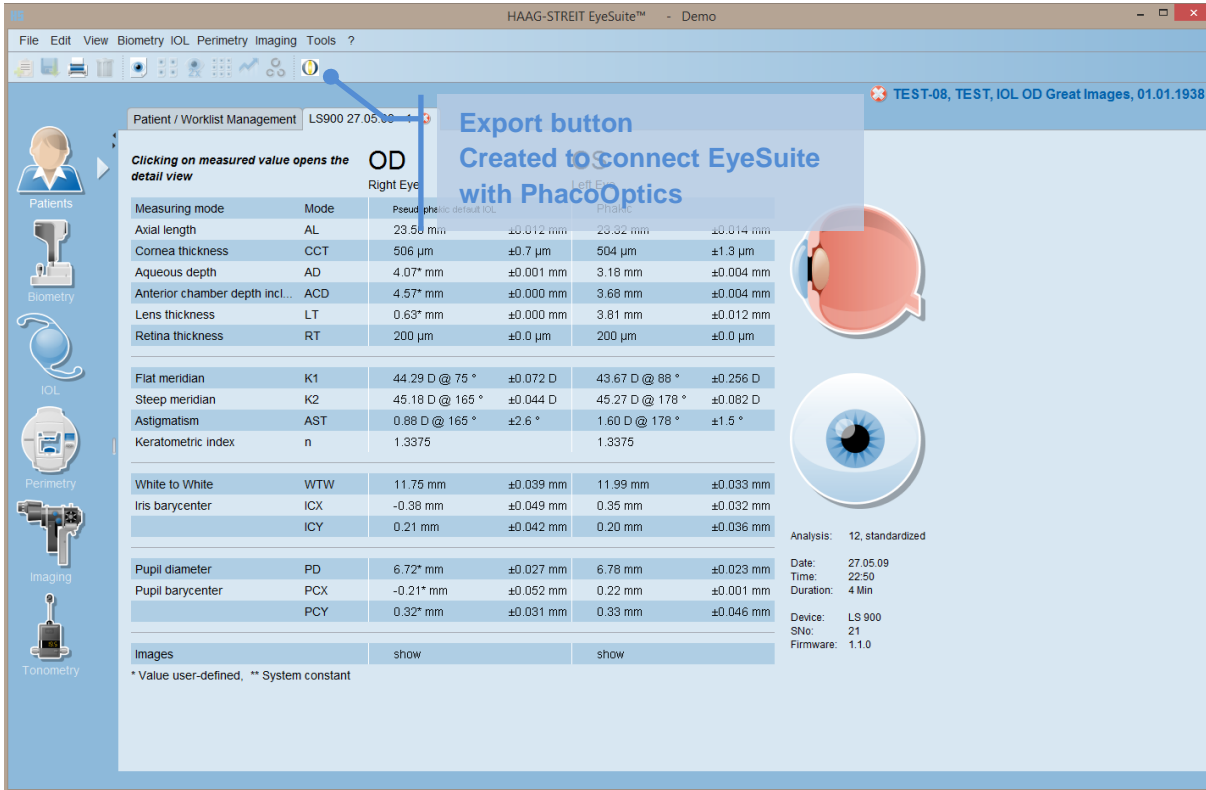
- Mode: Should be set to Manual
- Toolbar: Select the PacoOptics Logo (_PhacoOptics.png) from the icons folder of the EyeSuite installation (e.g. C:\Program Files\Haag-Streit\EyeSuite\icons)
- Name/menu: Name the export PhacoOptics

Export file

- Format: Select PhacoOptics Connector form the list. This is going to setup all parameters for direct connection to PhacoOptics.

EyeSuite and PhacoOptics, how it works.

After setting up the manual export as described above an export button is going to be available in the measurement overview screen of EyeSuite to send the biometry data on display to PhacoOptics and start the PhacoOptics software.



The screenshot shows the EyeSuite software interface with a biometry data table. A callout box points to the 'Export button' in the top right corner of the table area, with the text: "Export button Created to connect EyeSuite with PhacoOptics".

| Measuring mode | Mode | Pseudophakic default IOL | Phakic | |
|--------------------------------|------|--------------------------|-----------|--------------------------|
| Axial length | AL | 23.56 mm | ±0.012 mm | 23.32 mm ±0.014 mm |
| Cornea thickness | CCT | 506 µm | ±0.7 µm | 504 µm ±1.3 µm |
| Aqueous depth | AD | 4.07* mm | ±0.001 mm | 3.18 mm ±0.004 mm |
| Anterior chamber depth incl... | ACD | 4.57* mm | ±0.000 mm | 3.68 mm ±0.004 mm |
| Lens thickness | LT | 0.63* mm | ±0.000 mm | 3.81 mm ±0.012 mm |
| Retina thickness | RT | 200 µm | ±0.0 µm | 200 µm ±0.0 µm |
| Refraction | | | | |
| Flat meridian | K1 | 44.29 D @ 75 ° | ±0.072 D | 43.67 D @ 88 ° ±0.256 D |
| Steep meridian | K2 | 45.18 D @ 165 ° | ±0.044 D | 45.27 D @ 178 ° ±0.082 D |
| Astigmatism | AST | 0.88 D @ 165 ° | ±2.6 ° | 1.60 D @ 178 ° ±1.5 ° |
| Keratometric index | n | 1.3375 | | 1.3375 |
| Perimetry | | | | |
| White to White | WTW | 11.75 mm | ±0.039 mm | 11.99 mm ±0.033 mm |
| Iris barycenter | ICX | -0.38 mm | ±0.049 mm | 0.35 mm ±0.032 mm |
| | ICY | 0.21 mm | ±0.042 mm | 0.20 mm ±0.036 mm |
| Pupillometry | | | | |
| Pupil diameter | PD | 6.72* mm | ±0.027 mm | 6.78 mm ±0.023 mm |
| Pupil barycenter | PCX | -0.21* mm | ±0.052 mm | 0.22 mm ±0.001 mm |
| | PCY | 0.32* mm | ±0.031 mm | 0.33 mm ±0.046 mm |
| Images | | show | | show |

* Value user-defined, ** System constant

Click on the PhacoOptics button to transfer the biometry data displayed and starting PhacoOptics.