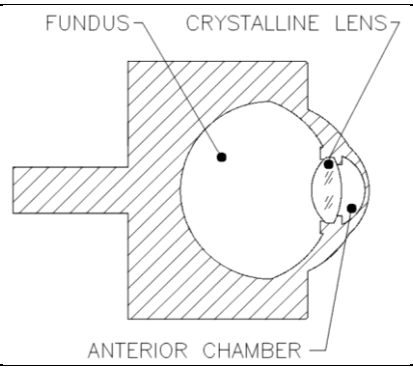
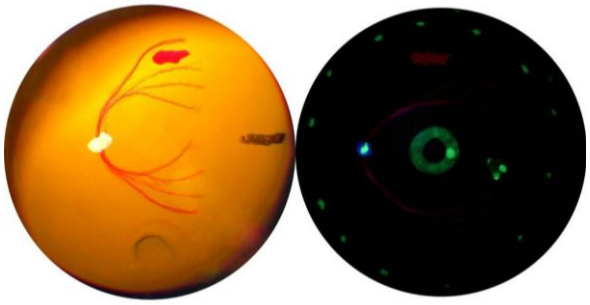
Ocular Imaging Eye Model, Bracket & Spanner

CE	Product Codes	
	**OEMI-7 (7mm Pupil)**	
	**OEMB1 (Bracket)** **OEMB3 (Bracket)**	
	**OEMI-T (Spanner)**	
	**OEMI-KIT (Fill Kit)**	

Design – 7mm Imaging Eye Model - (OEMI-7)

- Designed to accurately simulate human eye. Model includes natural surfaces of human eye including anterir chamber and crystalline lens
- Every effort has been made to duplicate pathological problems found in the human eye.
- Provides a stable fixed model for evaluation and training.
- Arteries emanate from the disc with a fluorescent character allowing simulated fluorescein imaging
- Optic disc has some fluorescent qualities
- Designed for use with ocular fundus imaging systems such as slit lamps, binocular indirect ophthalmoscopes (BIO), fundus cameras and scanning laser ophthalmoscopes (SLO).
- A peg on the back fits into the Ocular Eye Model Bracket (OEMB1 or OEMB3) which can be attached to any slit lamp.
- The eye has a retinal detachment showing an elevated retina and retinal tear.
- It also displays a foreign body, optic disc and blood vessels.
- A line at the 180 degree meridian designates the region of the equator.

Design – Bracket - (OEMB1 & OEMB3)

- Designed with a position-adjustable post used to attach the eye model to the slit lamp chin rest.
- A second post is supplied for slit lamps which require a longer post.
- OEMB3 contains two pair of short and longer posts.

Design – Spanner - (OEMI-T)

- Designed for the Researcher to disassemble & reassemble the Eye Model for customizing.

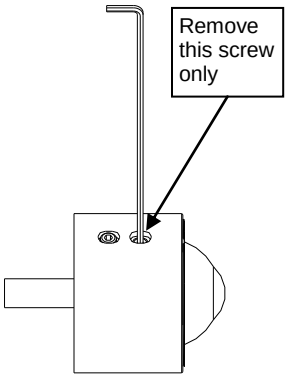
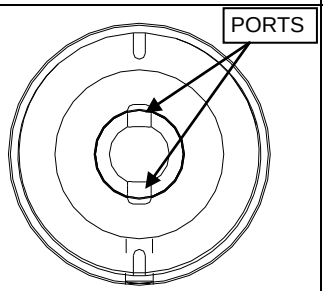
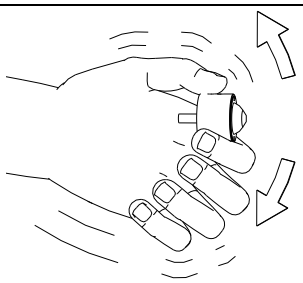
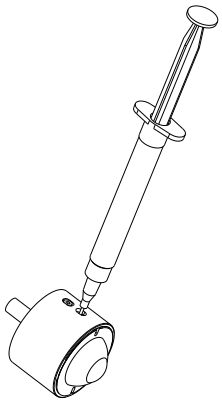
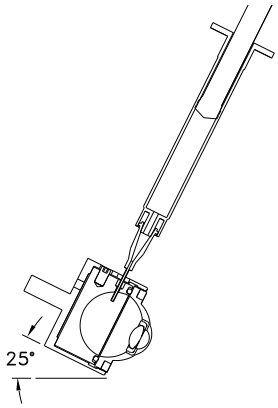
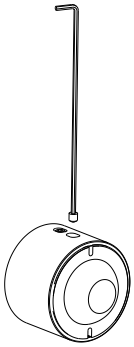
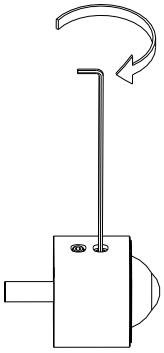
Design – Fill Kit - (OEMI-KIT)

- Kit includes 3cc syringe, 21g blunt, 1/16 hex key, and distilled water. For use with OEMI series eye models.

Cleaning –

- Wash and rinse thoroughly with soap and water.
- Dry with soft tissue.

Refill Procedure

Step 1:	Insert a 1/16” allen wrench into the set screw as depicted (1). Unthread the set screw by turning it counter clockwise and remove. (1A) Note: Only remove the set screw towards the anterior as depicted (1). ⚠ Note: Use caution when handling the anterior to minimize scratching. The refill procedure should be performed in an area were small amounts of water splashing/spilling will not be an issue.	 1	 1A
Step 2:	Orient the eye model so the two small ports are vertically aligned with gravity as depicted (2). Place your thumb over the screw hole to minimize water splash. Shake the eye model vigorously until the bubbles have migrated to the posterior chamber (2A). Note: Step 2 maybe skipped if no bubbles are present in the anterior chamber.	 2	 2A
Step 3:	Fill a syringe with clean distilled water at room temperature. Carefully insert the syringe needle into the hole (3). Tilt the eye model roughly 25 degrees as depicted in (3A). Carefully and slowly inject the water into the posterior chamber until water overflows and the bubbles are removed (3A). Inspect for bubbles, if bubbles are present in the posterior chamber repeat step 3. If bubbles are present in the anterior chamber repeat steps 2 then 3. If bubbles are no longer present proceed to step 4.	 3	 3A
Step 4:	Insert and thread the small setscrew carefully back into the hole. Apply a small amount of torque (2 in-lbf) to the setscrew in a slow steady motion. Do not induce shock while tightening the setscrew or the threads may fail. ⚠ Do not over tighten the set screw or the components will strip.	 4	 4A

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