

# EndoSerter®

CORNEAL ENDOTHELIUM DELIVERY INSTRUMENT

The EndoSerter® is a unique single-use, disposable device used to implant donor allograft tissue during DSAEK procedures. The EndoSerter® simplifies your surgical procedure.

- Consistent, Controlled Placement of Donor Tissue
- Integral Irrigation
- Single 4mm Incision



*The EndoSerter is simply the best way to insert Nano-Thin™ tissue.*

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EDWARD J. HOLLAND, M.D.  
Director of Cornea Services  
Cincinnati Eye Institute

CorneaGen™

## Comparison Chart

CorneaGen offers the EndoSerter® corneal endothelial delivery device. Commercially available in the United States, the EndoSerter® is a unique single-use, disposable device used to implant donor allograft tissue during DSAEK procedures.

Attribute	EndoSerter® (CorneaGen)	NCI Inserter (Fischer Surgical)	Tan EndoGlide (Angiotech)	Forceps (Various)
Incision size	4mm	5.5mm	4.5mm	5-6mm
Clear cornea?	Yes	No	Not Likely	No
Topical anesthesia feasible?	Yes	No	Not Likely	Yes
Suture required	No	Yes	Most Likely	Yes
AC deep during insertion?	Yes, coaxial flow	Yes, coaxial flow	No	No
Separate AC maintainer required?	No	No	Yes	Yes
Additional incisions or instruments?	No	Maybe—to release graft from device	Yes	Yes
Tissue adheres to device requiring extra manipulation?	No—loading platform not involved in deployment	Yes—tissue may adhere to loading platform while in AC	Possible	Possible
Endothelial cell loss	Minimal	Minimal	Minimal	Moderate to Severe
Graft size limit (diameter)	≤8.5mm	≤8.75mm	≤9.75mm	User defined
Graft size limit (thickness)	≤175µm	Unknown	≤250µm	User defined

Information obtained from manufacturer's publication or website. CorneaGen makes no representation or warranties, either expressed or implied, as to the accuracy of the information reflected above. CorneaGen is not liable for any use of the information provided.

## Simplified Procedure

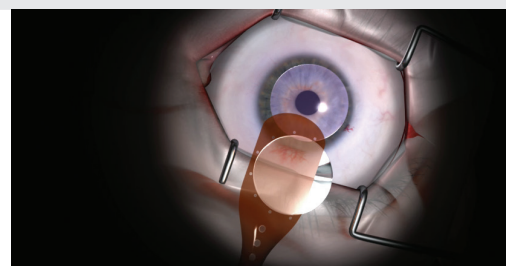
The EndoSerter® is the only instrument capable of small-incision clear cornea surgery that doesn't require:

- Additional instrumentation
- Sutures
- Separate anterior chamber maintainer

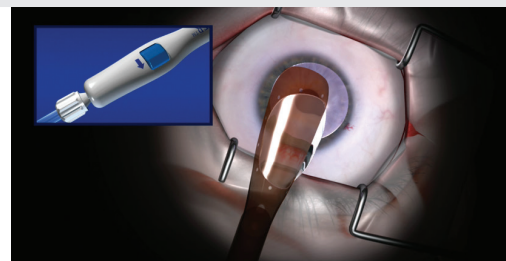
The EndoSerter® provides accurate graft delivery and placement with minimal endothelial contact.



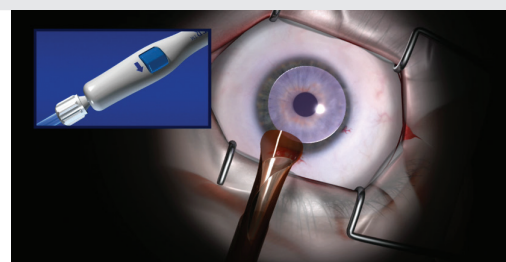
1 Set tissue position.



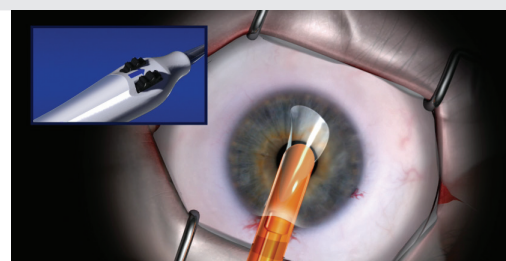
2 Rotate thumb screw.



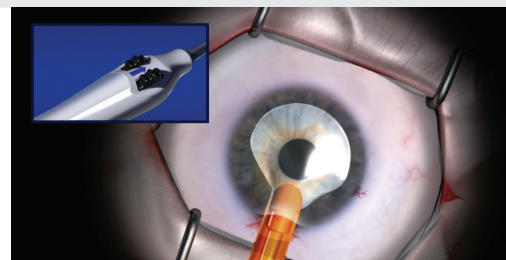
3 Retract allograft.



4 Roll device. Insert.



5 Irrigate. Cover.



## Schedule your free trial today!

CorneaGen offers a free trial with in-service of the EndoSerter to corneal transplant surgeons in the U.S.

**CONTACT US:**

**844-526-7632**

[Endoserter@CorneaGen.com](mailto:Endoserter@CorneaGen.com)

Check out videos of the EndoSerter® at:  
[www.CorneaGen.com](http://www.CorneaGen.com)



## Clinical In-servicing

Information is provided as a supplemental guide only and does not replace the Instructions for Use (IFU).

- Do NOT remove black locking guard from the EndoSerter® until ready to insert tissue into anterior chamber.
  - The EndoSerter® is designed to be used through a tight 4mm incision.
1. CONNECT irrigation to the EndoSerter®. FLUSH EndoSerter® with Balanced Salt Solution (bottle height 40cm). STOP irrigation (DO NOT restart irrigation until tip of the EndoSerter® is in anterior chamber).
  2. LEAVE a small amount of fluid on the carrier. REMOVE excess fluid from carrier (do not shake the EndoSerter® to remove fluid).
  3. LOAD tissue onto carrier within alignment holes.
  4. DRY around edge of graft with sponge tip.
  5. APPLY 2-3 drops of cohesive visco-elastic to center of graft.
  6. ROTATE blue thumbscrew to retract tissue. TUCK tissue edge, as necessary, to retract fully into sheath. Rotate thumbscrew until you hear a click and thumbscrew spins freely — you cannot rotate thumbscrew too many times.
  7. ROLL the EndoSerter® 180 degrees so that the black deployment wheels are facing up.
  8. HOLD black deployment wheels firmly and REMOVE black locking guard (continue to hold deployment wheels through entire insertion process).
  9. INSERT the EndoSerter® tip through a tight 4mm incision (continue to hold deployment wheels).
  10. START and CONTINUE irrigation (bottle height 40cm) (continue to hold deployment wheels). If necessary, deepen the chamber slowly by raising the bottle height while irrigation continues to flow.
  11. MOVE the EndoSerter® tip across the anterior chamber past the far edge of the stromal bed (continue to hold deployment wheels).
  12. ROLL black deployment wheels forward (towards patient) and ROTATE the EndoSerter® 45 degrees to the right as the graft is exposed. The graft is uncovered, not ejected. The EndoSerter® will retract leaving the graft behind.

### DSAEK / DSAEK

- Graft Size: Diameter  $\leq$  8.5mm; Thickness  $\leq$  175 $\mu$ m.
- Sterile, single use disposable.