

- Optimum Posterior Capsular Contact
- Long - term stabilization of refractive outcomes
- Additional stability over traditional single - piece IOL
- Square Edge against the posterior capsule limits LEC migration

Synchronized Clear Vision **AcriDiff**



Synchronized Cast Molded Lens

Reviving Vision

AcriDiff

Trifocal Hydrophobic Presbyopic MICL

Open your eyes
to **Synchronized Clear Vision**



Synchronized Cast Molded Lens

Reviving Vision



Optic

Patented* optic profile ensures Synchronized Clear Vision (SCV).

Manufacturing Procedure

Synchronized Cast molding, ensures, SCV with predictable outcome.

Material

Proprietary Hydrophobic Acrylic material with yellow tint mimics to the Adult Natural Lens

Design

Ensures perfect stability inside the capsular bag, lowering incidence of PCO.

Synchronized Cast Molding Process Ensures:

- ▶ Consistent Repeatability
- ▶ Optimum Flexibility
- ▶ Superior Surface Quality
- ▶ Excellent Optical Performance
- ▶ True Square Edge with minimal Edge Radius
- ▶ Power Accuracy
- ▶ Asphericity



Patient selection criteria

Presbyopic IOL has demonstrated specific suitability in normal myopic and hyperopic patient.

Patient should not have:

- ▶ Amblyopia
- ▶ Squint
- ▶ Previous Operations
- ▶ Retinal Pathology
- ▶ Glaucoma
- ▶ Macular Diseases
- ▶ Pre operative Astigmatism > 1.5 D
- ▶ Congenital Cataract

Thorough counseling of patients

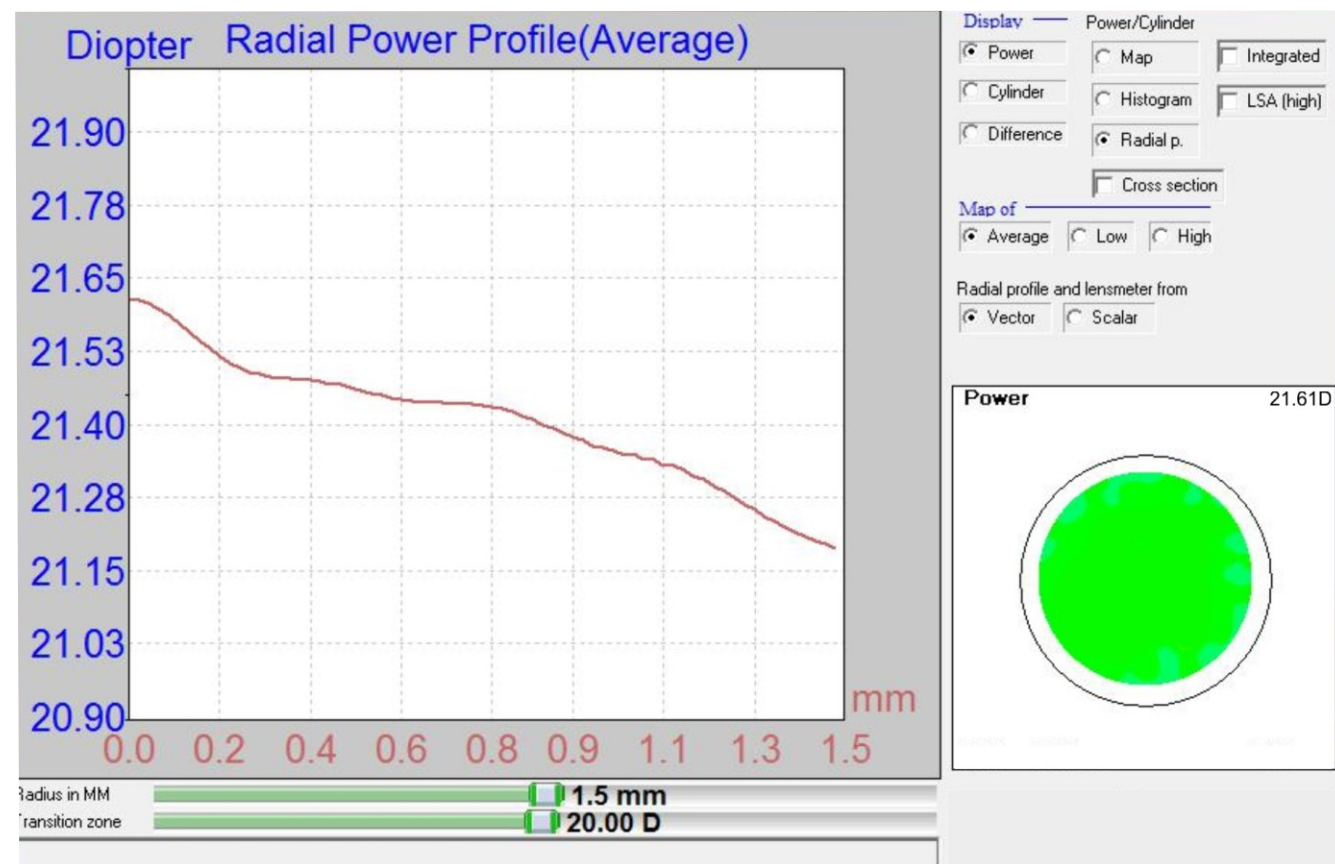
- ▶ Counseling of patients & attendants, to whom **AcriDiff** IOL is offered, is mandatory.
- ▶ Awareness towards reasonable expected results. They may require use of powered glass.
- ▶ Typical patient achieves excellent distant & near vision after the procedure.
- ▶ Awareness about the risk involved with multifocal IOLs is required to be given.
- ▶ As with refractive surgery, not all patients have favorable response of the vision they receive with the lens.

IOL Power calculation

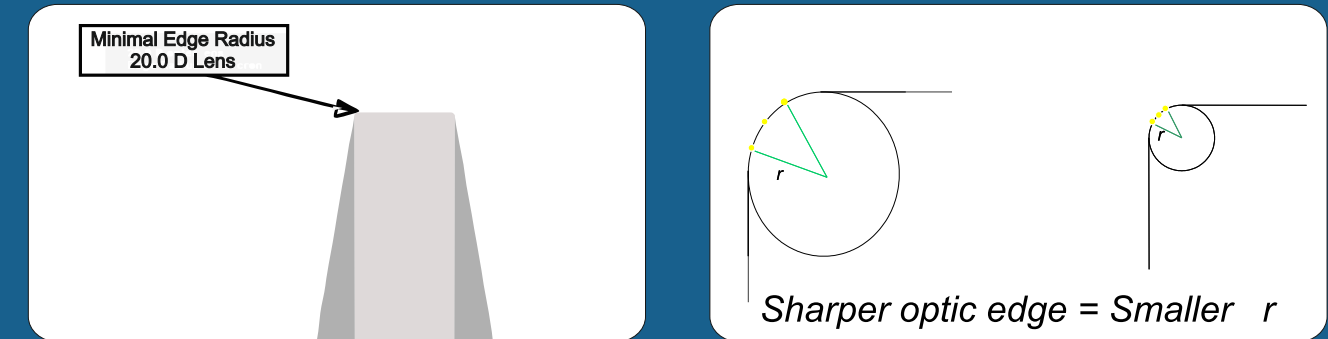
While calculating the IOL power please consider.

- ▶ Keratometry
- ▶ Water Immersion should be used
- ▶ Aim Emmetropia & Astigmatism <1.50D
- ▶ Biometry
- ▶ Formula depends on Axial Length
- ▶ A-Cosnt. & ACD (Surgeon Factors)
- ▶ Personalize A-Constant to get predictable refractive results

Aberration Neutral Optic

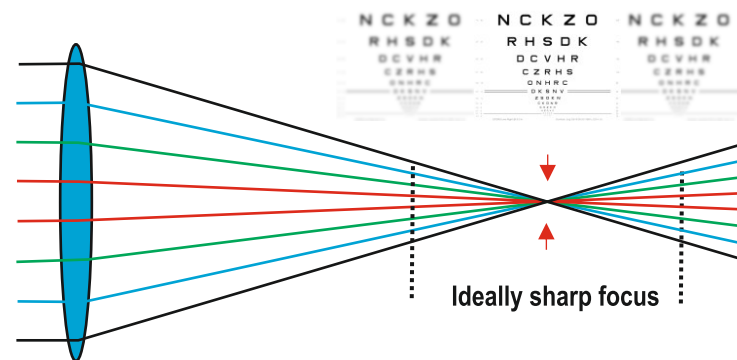


Synchronized Cast Molding Manufacturing Process

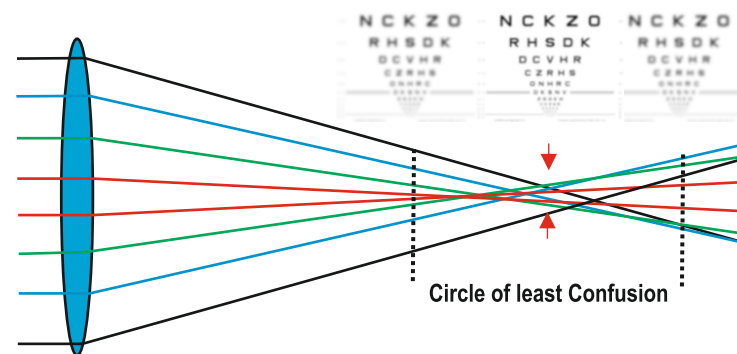


AcriDiff Square Edge ensures second line defense against PCO

Without Spherical Aberration



With Spherical Aberration



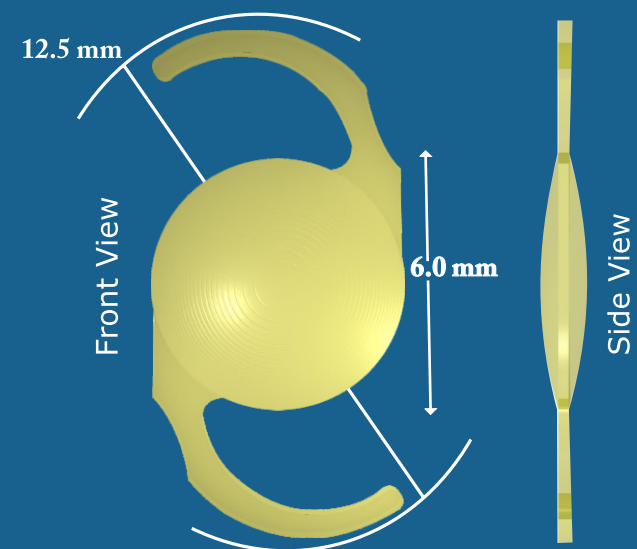
Its Anterior Surface is Treated with TIT while its Posterior Surface Treated with TET

Per Reproducibility - IOL after IOL

A remarkable Innovation, rendering the IOL an ability to **UNFOLD IN LESS THAN 5 SECONDS** in the Capsular Bag & A Perfect Adhesion Between Capsular Bag and Posterior Surface Reduces the Incidence of PCO*

TIT - Tackiness Inhibiting Technology
TET - Tackiness Enhancing Technology

Perfect Stability inside the capsular bag.



Specification:

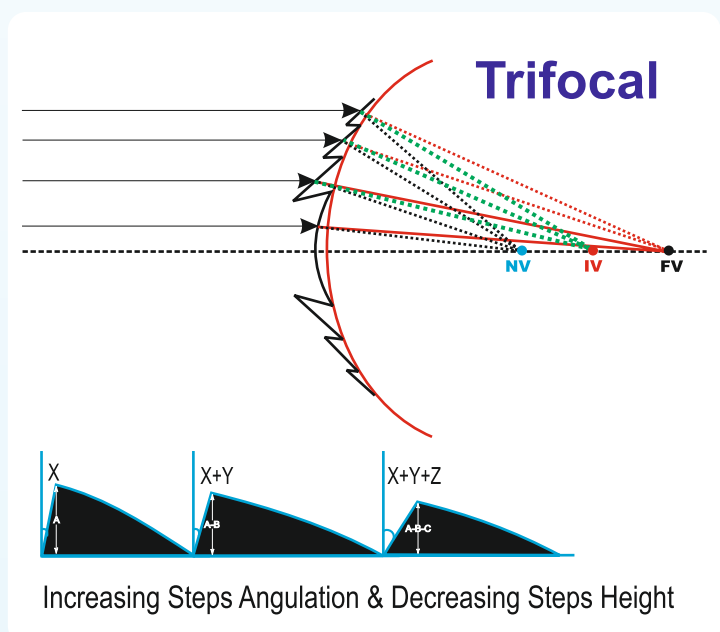
Optic type: Biconvex
 A Constant: 118.9 (Theoretical Value)
 Refractive Index: 1.525
 A. C. Depth: 5.10 mm (Theoretical Value)
 Diopter: + 0 D to + 30.0 D (With 0.5 D Increments)

+ 3.25 Addition For Near Focus

AcriDiff IOL

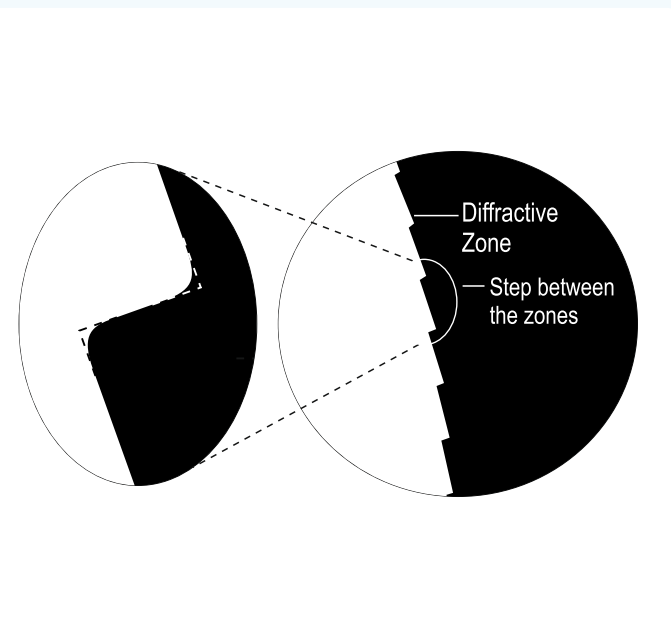


Popular Diffractive IOL



Advantages

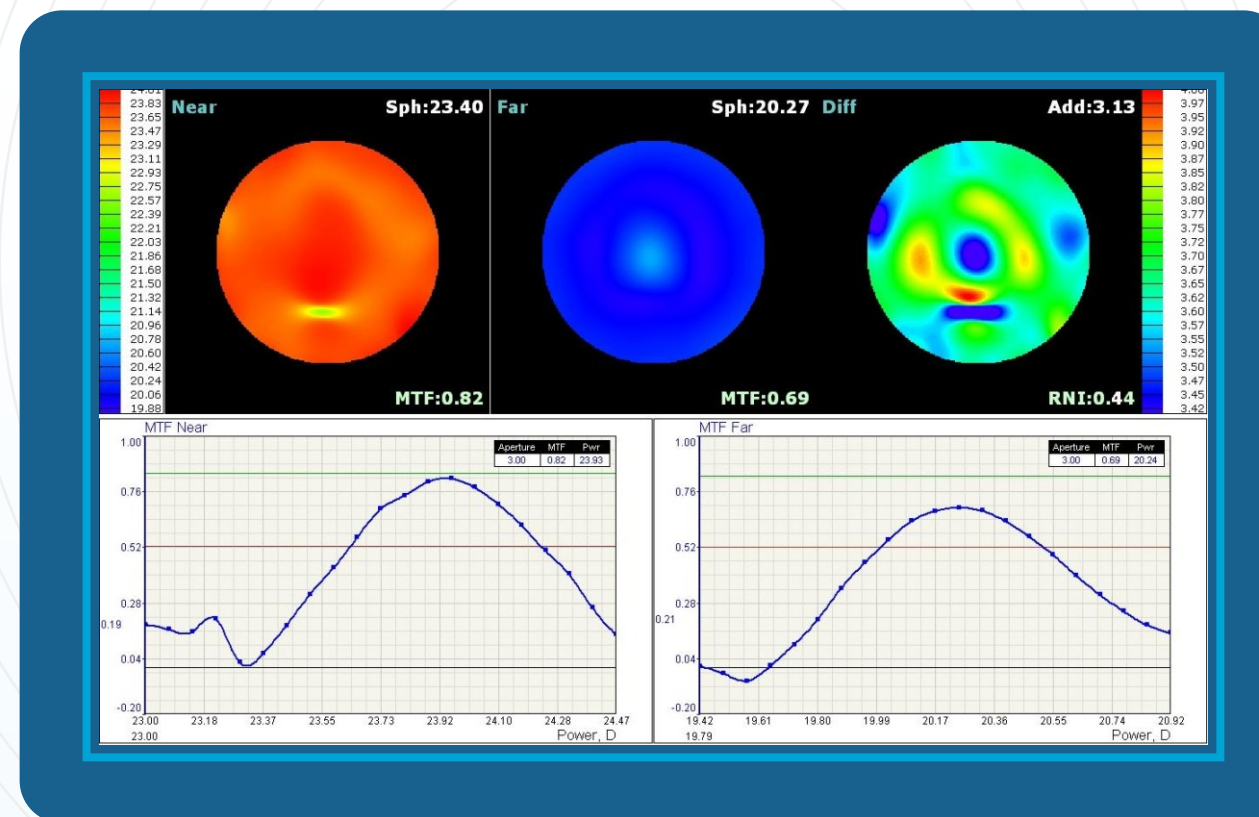
- ▶ Minimizes chances of halos, glare and scattering of light.
- ▶ Ensures balanced distribution of light energy.
- ▶ Synchronized Clear Vision



Limitations

- ▶ Possibility of glare.
- ▶ Creates Halos and Scattering Light.

Predictable Refractive Outcome



Each Lens Is Accompanied By Power Map & MTF Graph Of Near & Far Focus

- ▶ Ensures Predictable Post-Operative refractive results
- ▶ RNI - Relative Near Intensity: 60/40 % for far and near respectively.

Energy Scan

- ▶ Light Distribution For Far Focus & Near Focus 60/40

