THIN-TECH™

MAKING THE IMPOSSIBLE, POSSIBLE
What is THIN-TECH Lens Design?

- A THIN-TECH prescription lens is a lens that has an **optical zone with 60/55 mm**. Outside this optical zone is the **transition zone** and follow by **edge zone**.

  - PAL concept used
  - Flexible optical zone
  - Excellent cosmetic look
Conventional Lens

Lab surfaces: -4.00 sph
Lens delivered: -4.32 / -1.09 x090 (as worn)

THIN-TECH Lens

Lab surfaces: -3.80 / -0.15 x118
Lens delivered: -4.00 (as worn)
See the difference with a THIN-TECH lens

MINUS LENS

Conventional

Thin-Tech

PLUS LENS
What is THIN-TECH Lens Design?

Due to the tilt angle, optical axis is distorted. Power error & prism are generated.

- Once the frame angle, tilt, lens base, fitting height, prescription are known, then a compensation for the axis can be made. The actual lens surface is calculated (compensated) to take all of these calculations into account.
What is THIN-TECH Lens Design?

Notes: Max diameter up to 98 mm
80 mm blank used, w/ 9mm decenteration
Background

Conventional
-6.00

Thin-Tech
-6.00

Blank
Conventional Lens
Thin-Tech Lens
Background

Conventional
+6.00

Thin-Tech
+6.00

Blank
Conventional Lens
Thin-Tech Lens
Samples DEMO

- The difference that ThinTech makes:
  - PLUS 4.00: lighter by 46%, thinner by 43%
  - MINUS 4.00: lighter by 31%, thinner by 43%
What kind of frames are suitable for THIN-TECH lenses?
Wrap-Around, Fashion Sunglass, & Sportsframe
Almost no restriction on sunglass frame selection

(except for one piece eyewear)