

# Technical Terminology Guide

Each Specsavers lens design contains a selection of innovative technologies to deliver the best possible vision solution. Understand each technology better by using this guide.

## Lens Design Options

### Advanced Ray Tracing



Each lens design is computed using a sophisticated modelling technique, where thousands of light rays are processed from a defined object and distance, through the lens and imaged on the retina.

The calculation incorporates the specific wearers aberrations and the lenses unique positioning parameters in relation to the wearers eye.

This sophisticated lens calculation process delivers a personalised design, creating the best possible vision outcome for the individual wearer.

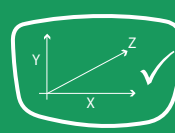
This process allows all our other technologies to be incorporated into the design.

### Lifestyle Zone Design



Varifocal lens zones are designed to specifically suit distance, balanced or near lifestyle use preference.

### Rx Optimization



The lens design and the chosen base curve is specifically modified for each patient's prescription. This achieves equivalent performance across the full prescription range.

### Position of Wear



Specific patient "as worn" parameters (BVD, Panto, Wrap) positioning the lens in front of the eye are used in the design / calculation.

- Individual patient measurement values
- Default population average values

### Fixed Corridor Options



Predefined progressive corridor lengths for easy selection.  
(Short / Medium / Long)

### Rx Verification Values (Near/Far)



Available as Compensated or Conventional

**Compensated:** Adjusted Rx measurement values used to verify the finished lens - differing from the ordered Rx values.

**Conventional:** As ordered back vertex power (BVP) measurement values.

### Variable Inset



Automatic determination of the precise "near zone" position for best binocular vision.