The SmILE laser procedure is the 3\textsuperscript{rd} generation of laser vision correction to correct spectacles powers (LASIK is the 2\textsuperscript{nd} generation).

‘SmILE’ is short for ‘\textbf{S}mall \textbf{I}ncision \textbf{L}enticule \textbf{E}xtraction’. This new technique, that is only possible with the Visumax femtosecond laser by Carl Zeiss, is the least invasive procedure for vision correction.

The disadvantages of the older laser treatments have been removed and the advantages have remained.

\textbf{7 Reasons Why ReLEx\textsuperscript{®} SmILE is the Future in Laser Technology}

1. \textbf{Flapless}: retains the biomechanical strength of the cornea
2. \textbf{No risk}: of Flap displacement and other flap related complications
3. \textbf{No Dry Eye}: Nerves responsible for tear regulation remain practically intact
4. \textbf{Painless} and least invasive
5. \textbf{Predictability}: Femtosecond Technology results are are outstandingly accurate
6. \textbf{Fast}, precise and convenient treatment
7. \textbf{Result} is effective within 24 hours and stabilizes in few weeks
Today, ReLEx® SmILE is the procedure of choice for all myopes (those with minus powers). The doctors offering both LASIK and SmILE procedures prefer SmILE for > 90% of the cases.

**Differences between ReLEx® SmILE and LASIK**

<table>
<thead>
<tr>
<th>ReLEx® SmILE with VisuMax®</th>
<th>Femto-LASIK</th>
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</thead>
<tbody>
<tr>
<td><strong>Step 1:</strong> Creation of lenticule and small access (&lt; 4 mm)</td>
<td><strong>Step 1:</strong> Creation of corneal flap (&gt;20 mm)</td>
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<td><strong>Step 2:</strong> Removal of the lenticule</td>
<td><strong>Step 2:</strong> Flap opened</td>
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<td><strong>Step 3:</strong> Refractive error is corrected</td>
<td><strong>Step 3:</strong> Point-by-point ablation of the corneal tissue using an excimer laser</td>
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<tr>
<td><strong>Step 4:</strong> Flap is repositioned (adheres subsequently in the original place), refractive error is corrected</td>
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**WIDEST range of LASER TREATMENTS at Shroff Eye**
- Wavefront LASIK
- Wavefront Bladeless Epi-LASIK
- Wavefront Trans Epithelial Surface Ablation
- Topography linked LASIK
- Bladeless Femto LASIK
- ReLEx® SmILE

2 laser platforms – The Concerto 500 Hz laser + The VisuMax Zeiss Laser.

Dr Anand Shroff, our LASIK / SmILE surgeon, will advise the best laser treatment for your eyes from the above procedures.