If we can measure it, we can make it. This is why Optimax offers four different metrology methods, which can be used separately or in combination to meet your testing and inspection needs.

Our metrology must match the sophistication of our manufacturing technology. Optimax offers state-of-the-art metrology, including surface profilers and interferometers to verify that parts meet the form error specification. Testing options are form specific; lenses with mild departure from a best fit sphere have the highest potential for fractional wave precision.

Optimax can manufacture and test a wide range of aspheres to best fit your needs.

<table>
<thead>
<tr>
<th>Type of Asphere</th>
<th>Pros/Cons</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Convex</strong></td>
<td>Easy to manufacture&lt;br&gt;Hard to measure</td>
</tr>
<tr>
<td><strong>Concave</strong></td>
<td>Hard to manufacture&lt;br&gt;Easy to measure</td>
</tr>
<tr>
<td><strong>Gullwing</strong></td>
<td>Hard to manufacture&lt;br&gt;Hard to measure&lt;br&gt;Does more optically</td>
</tr>
</tbody>
</table>

**Fine Finishing, Overlapping Accuracy**

- **Profilometer** Most flexibility
- **Interferometry** Highest precision
- **Stitching Interferometry** Expanded range of precision
- **Computer Generated Holograms (CGH)/Null Lens** Custom characterization
Asphere Decision Tree

Guidelines for crossing manufacturing characteristics with metrology options.*

*These are overall guidelines and not applicable in all cases. **50th wave possible for some forms.

If we can measure it, we can make it.