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|-----------|-------------------------------------------------------------------------------------------|
| Indirizzo | <b>Shimadzu Precision Instruments, Inc.</b><br>2340-C Walsh Ave.<br>95051 Santa Clara, CA |
| Nazione   | Stati Uniti d'America                                                                     |
| Stato     | California                                                                                |

## PRODOTTI O MACCHINARI

Components and accessories (suppliers to the glass machinery industry).

### **Toroidal Mirrors TRseries**

Highly-Smoothed Surface, High Reflectance, High Quality

Shimadzu toroidal mirrors are manufactured by polishing optical glass with highly-smoothed surface. Standard coating of Aluminum brings high reflectance in ultraviolet region. The newly developed production method secures continuous delivery of stable quality products. Non-Use of Specific Chemical Substances\*1

\*1. RoHS Directive: Directive on the restriction of the use of certain hazardous substances (mercury, cadmium, lead, hexavalent chromium, PBB and PBDE) in the EU. (EU Directive 2002/95/EC)

Toroidal mirrors are:

Toroidal mirrors are aspherical mirrors where each curvature of orthogonal two axes (horizontal and vertical one) are different. Barrel or Tire shaped with a rotation axis are available.

Difference to spherical mirrors

When a spherical mirror focuses a light from a point source, there appears astigmatism. Toroidal mirrors, however, minimize such astigmatism and make it possible to focus on a small spot. The toroidals are ideal for focusing and/or aberration correction devices for spectroscopes.

Company Profile of **Shimadzu Precision Instruments, Inc.**

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