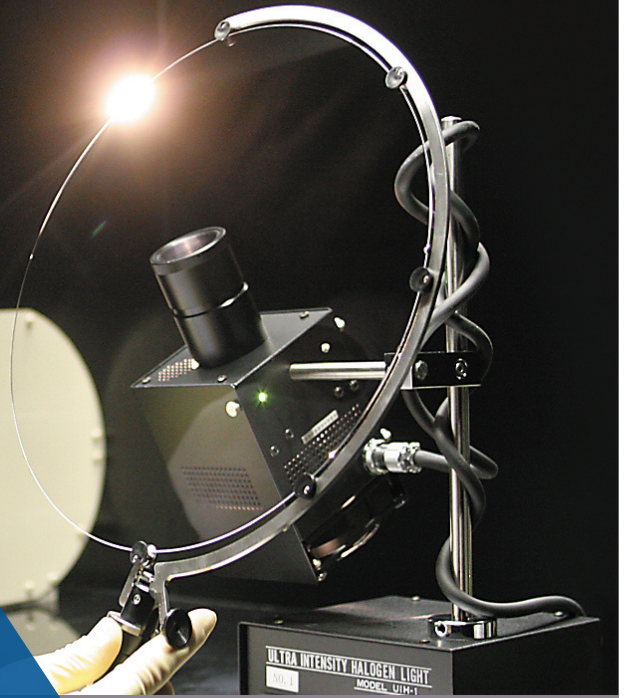


The Future Made Clear

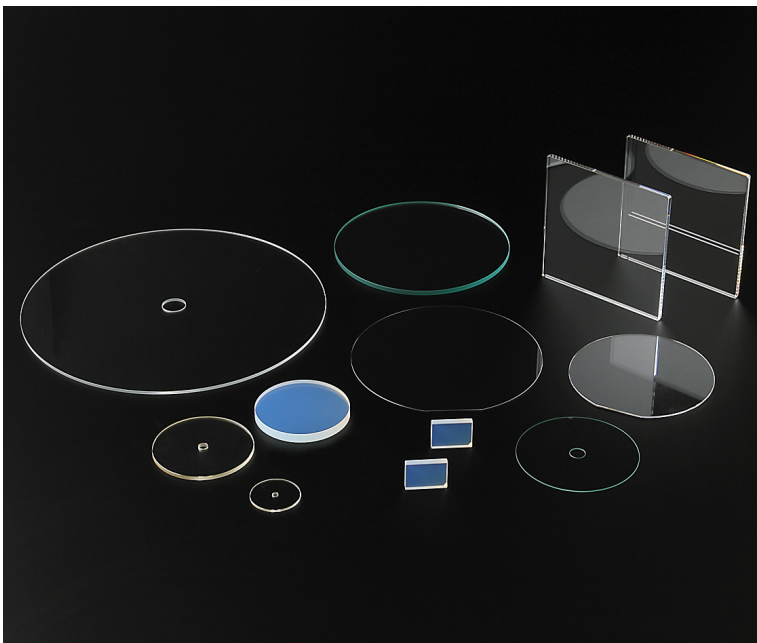


# PRECISION POLISHED SUBSTRATES



## Polished Substrates

Ohara is a world class manufacturer of precision polished fused silica and optical glass substrates. Our facility uses double-side lapping and polishing machines to produce high quality plano substrates with extremely low surface roughness and flatness values. Some of the uses for our polished substrates include photomask substrates, TFT plates, phase masks and LCD's.



## Advantages

- Type of materials: fused silica, optical glasses, glass-ceramics
- Sizes: 25 to 360 mm diameter
- RMS Values ~ 2 Angstroms (via AFM)
- Flatness Values ~ 1 micron  
Ex. Tropel Flatmaster
- Substrates suitable for use at 248 nm
- Class 100 Clean Room and Megasonic Cleaning Unit
- Excellent Metrology Capabilities

## GET IN TOUCH

[www.oharacorp.com](http://www.oharacorp.com)

50 Columbia Road  
Branchburg, NJ 08876  
Tel: (908) 218-0100  
Fax: (908) 218-1685

23141 Arroyo Vista #200  
Rancho Santa Margarita, CA 92688  
Tel: (949) 858-5700  
Fax: (949) 858-5455



The Future Made Clear



## Equipment & Capabilities List

- Double-side lapping and polishing
- Ultra flat borofloat (<10um)
- Class 100 Cleanroom
- Automated scrubbing
- Megasonic and ultrasonic cleaning
- Substrate thickness can be <100um
- Perfect for Si wafer bonding and thinning (glass carrier wafers)
- Laser marking of serial and QR codes available
- Atomic Force Microscope (AFM)
- Zygo New View and Zygo GPI Interferometers
- Tropel Flatmaster



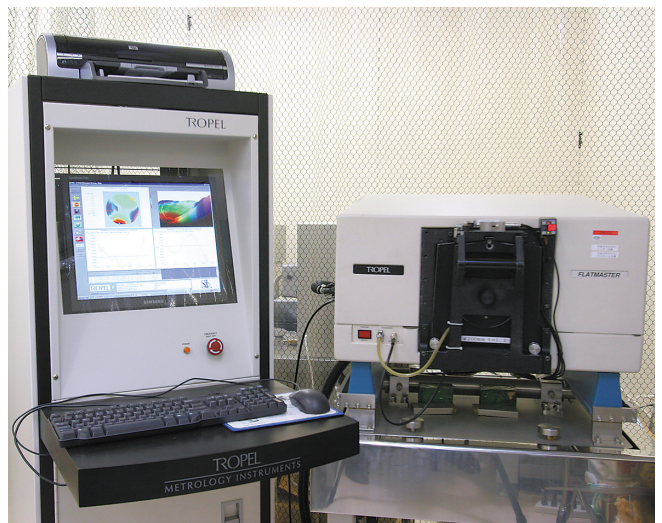
**Precision Polishing**



**Automated Edge & Chamfer**



**Class 100 Cleanroom**



**Excellent Metrology**

**GET IN TOUCH**

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