



FUSED SILICA

test

Excellent Physical & Optical Properties

Fused Silica is a synthetic amorphous silicon dioxide that can be made to have outstanding optical and physical characteristics:

- excellent homogeneity
- bubble & inclusion free
- very low stress birefringence
- good for transmission from the deep UV to the near IR
- good optical properties in three directions
- thermally stable with a low coefficient of linear expansion
- high working temperature
- Knoop hardness 200gm load 500kg/mm²

SYNTHETIC FUSED SILICA

Used in a Wide Range of Applications & Configurations

Fused Silica can be polished using standard optical fabrication techniques and is an optical material of choice for:

standard optical components

large laser systems for fusion

spacecraft windows, view port windows, pressure windows

test flats, transmission flats

light pipes

prisms

telescope mirrors





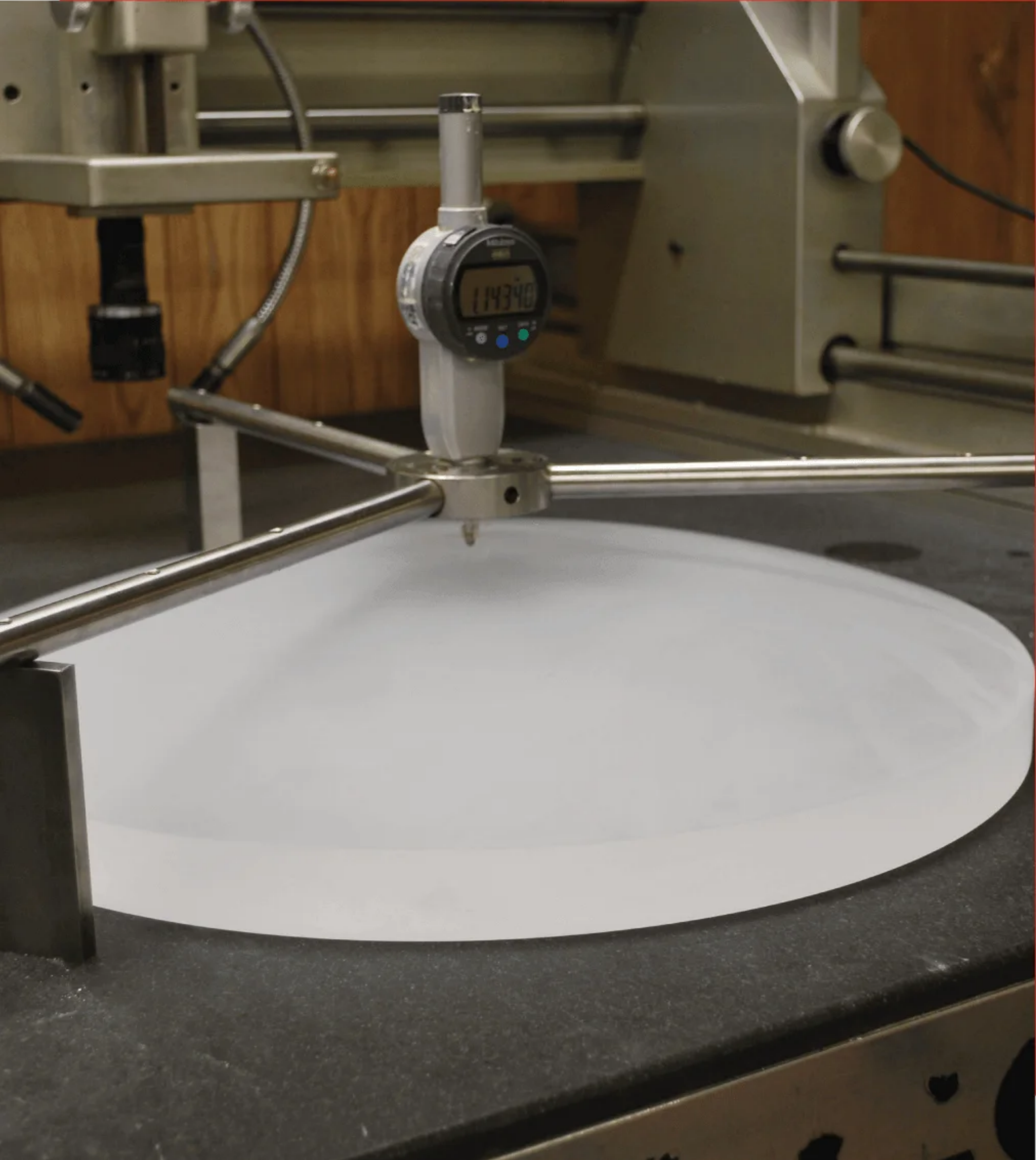
AGI Works with the Finest Manufacturers

Advanced Glass Industries is proud to announce we are now a stocking distributor of Asahi UV fused silica AQ material, with zero bubbles and homogeneity as high as 5×10^{-7} , at competitive prices. Learn more about it on Asahi's website. AGI also carries Corning fused silica, the full range of Heraeus fused silica from Germany, and Tosoh fused silica from Japan. Whatever your fused silica requirements, we offer the right material, from the right manufacturers, at the best possible price.

~18,000lbs of Corning 7980 Fused Silica in Inventory

Fused silica is one of our most commonly requested materials. Advanced Glass Industries keeps ~18,000 lbs

of Corning 7980 fused silica in a range of different grades on hand. The material comes in large boules, from which we carefully select and qualify material to meet your needs. Explore our manufacturing capabilities to learn more about how we can produce fused silica blanks for you.



[REQUEST A QUOTE](#)

[GET STARTED](#)

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