

Quality Quartz Products

Precision Quartz Blanks For Sensors, Optics, Deposition Control

All crystals and blanks are manufactured from pure Z-growth Cultured Quartz grown in the USA and processed by Bliley Technologies Inc.

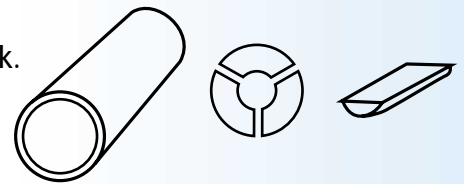
The Quartz is available in three grades:

- Standard Q of 2.0M minimum
- Premium Q of 2.5M minimum
- Swept

Angle orientation is established by X-ray, and one-minute angle groups are typical.

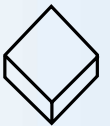
Transducer and Specialty Blanks

- Orientation:** X-cut and Y-cut typical. Other orientations as required.
- Size:** 0.070" to 1.500" outside diameter. 0.010" to 0.100" thick.
Inside diameter as needed. Other shapes and sizes to specification.
- Plating:** Gold, silver, nickel, aluminum, chromium, or unplated.



Rough-Lapped Blanks

- Square:** 0.300" to 1.500"
- Round:** 0.180" to 0.590"
- Thickness:** 0.002" to 0.100"
- Reference:** Flat or notched, as required.



Finished-Lapped Blanks

- Diameter:** 0.180" to 0.590"
- Reference:** Flat optional.
Lapped to: 35 MHz Fundamental, 105 MHz 3rd-Overtone, 175 MHz 5th-Overtone.
Polished to: 35 MHz Fundamental, 105 MHz 3rd-Overtone, 175 MHz 5th-Overtone
Plano-Convex available in wide-contour radius.



Quartz Crystals For Vacuum-Deposition Monitoring Equipment

- Frequency:** 5 MHz, 6 MHz, or as specified.
- Design:** Plano-Convex 0.550" diameter.
- Plating:** Gold, silver, nickel, aluminum, chromium, or unplated.
Various multilayer plating configurations available.



Call, fax, or e-mail your inquiries and requirements.

