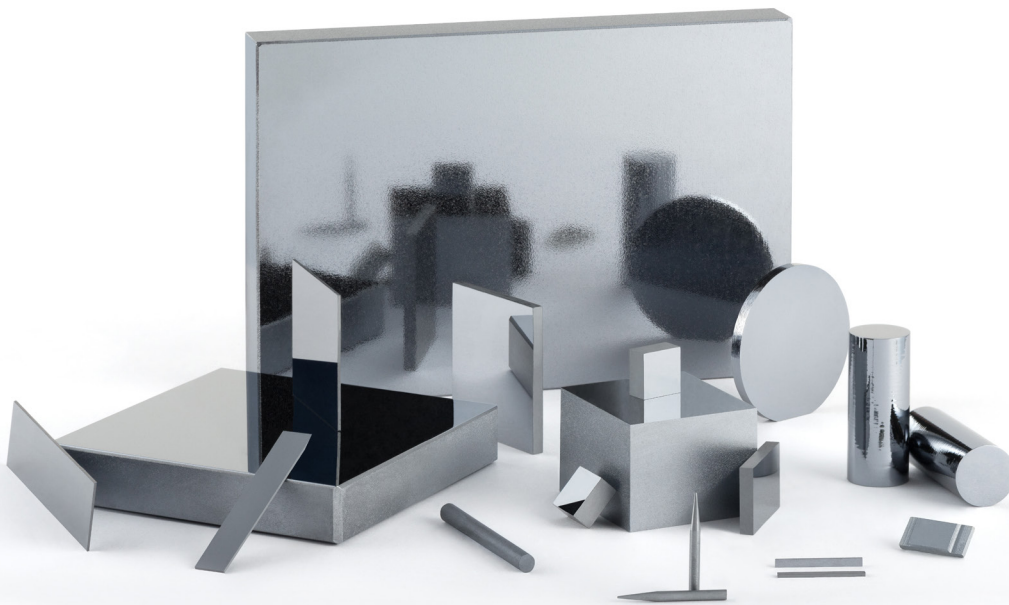
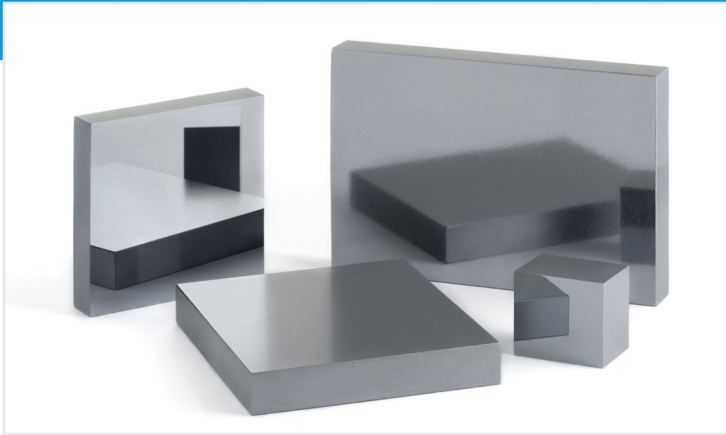


# Silicon Crystals



- Totally customized
- High precision machining
- Any orientations (Accuracy up to  $\pm 0.01^\circ$ )
- Resistivity from 0.7 mOhm.cm
- Roughness  $< 2 \text{ \AA RMS}$
- Flatness  $< \lambda/10 \text{ nm}$





## WE MANUFACTURE YOUR OWN SPECIFICATION

- Any kind of shapes within a larger of 150 mm and a length of 200 mm can be produced
- Unique abilities for crystal polishing :  
Roughness < 2 Å RMS

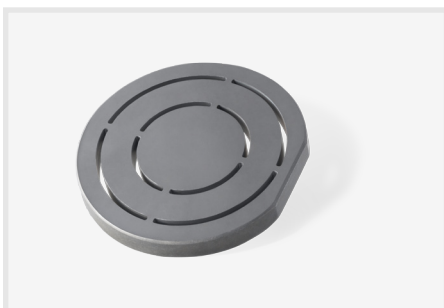
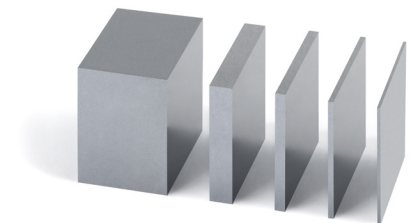
## TOTAL QUALITY MANAGEMENT

Sil'tronix ST is a leading manufacturer of high quality customized silicon crystals. The whole shapes are made internally from the ingot to the cleaning process with pure silicon (9N) in order to maintain a reliable and qualitative consistency. Our purpose is to make high value products regarding individual specification to meet every user's requirement with the highest quality level



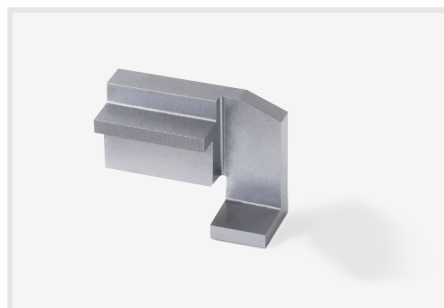
All crystals are built only upon request to match tight mechanical, electrical and photonics parameters according to your specific needs

- Specific mechanical processes have been developed to create customized and untypical parts like rings, bevel edges, thick wafers or blades
- The plane surfaces of our pieces can be etched or polished with the same specification (TTV, Roughness) as classic wafers



### In-house manufacturing

to provide a constant reliability and qualitative products



### Totally customized parts

regarding your specific drawing and/or technical specification to succeed your research



### Unique Know how

to insure planeity, low roughness and TTV by using a specific mechanical / chemical process

