**Silicon Membrane Windows**

Norcada manufactures both standard and custom single-crystal and polycrystalline silicon membrane windows.

Our single-crystal silicon membranes are utilized in a variety of scientific applications as beam splitters, vacuum windows and resonant structures. Single crystal silicon membranes are available with (100), (110) and (111) crystal orientations and with thicknesses ranging from 30nm to 50µm. Custom designs can include integration of metal features, specific doping and sculptured structures.

Norcada’s poly-silicon membranes are ideal for X-ray, UV and IR applications. These devices are quite robust, allowing for post fabrication processing, and are available with membranes ranging from 10nm to 300nm in thickness.

Norcada warrants the quality of its products, and will replace any device deemed unusable due to fabrication defects within 60 days of purchase. All Norcada products are manufactured and packaged in a Class 100 Cleanroom.