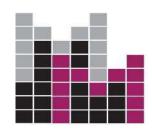


Thin glass substrates for microelectronic and photonic applications



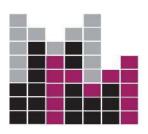


Flat, smooth, and extremely thin glass is available in the market

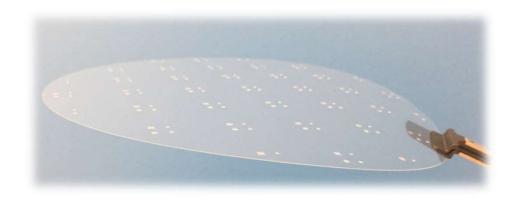


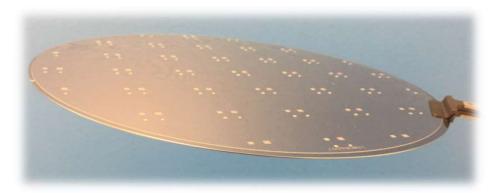


Handling in automated lab equipment is a challenge



Mosaic creates a robust wafer handling solution





Thin bare glass, or with through-holes

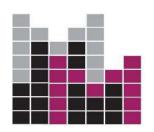
• Flatness is a challenge

Mosaic product:

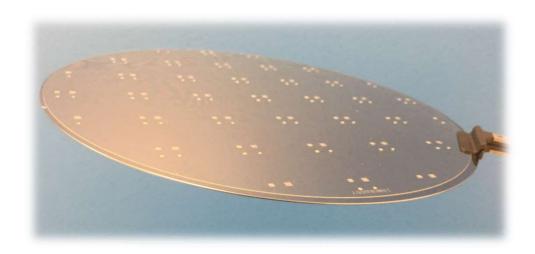
Thin bare glass or with through-holes temporarily bonded to a glass or silicon carrier wafer

- Addresses flatness
- Equipment interface is Si wafer

Can be processed like a standard silicon wafer



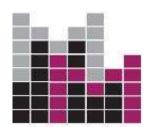
Mosaic proprietary bond material is key



- Bond is temporary to ≥450° C
- <<1 um thick layer
- No outgassing during vacuum processes
- Compatible with silicon processing (installed equipment base)



Mechanical debond ("peel") with low force



Mosaic Microsystems Summary

- Industry trends require new packaging solutions
- Glass is an attractive solution for several industry needs but gaps in the supply chain has made adoption difficult







Mosaic Microsystems









Thank you