

NEWS RELEASE

Large Thin Ceramic Substrates



CERAMIC SHEET STOCK AND FINISHED COMPONENTS

A new production process permits the fabrication of very large thin and flat ceramic substrates in 96.0% Al_2O_3 . Standard sheets are supplied in thicknesses of 1 mm (.040 in.) and 1.5 mm (.060 in.) and sizes to 17 x 21 inches (430 x 500 mm) with no tooling charges. Custom sizes, including numerous thicknesses and near net shapes are available and will be quoted upon request. This technology permits the fabrication of components for wafer chucks (hot, cold and electro-static) as well as rigid components such as end-effectors and I-beams.

Structural ceramic members are also available on a custom designed basis. These members exhibit rigidity and light weight plus dimensional stability and will operate to a temperature of 600°C. Anything that can be fabricated in metals can be fabricated in ceramic.



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