Water Washable Coatings for Plasma Dicing Processes

Matthew Day^a, Larry Sirois^b, Stuart Erickson^b, Allison Gray^c and John Moore^c

^aSPTS Technologies Ltd, Ringland Way, Newport, NP18 2TA UK

^bUltrasonic Systems, Inc., 135 Ward Hill Avenue, Haverhill, MA 01835 USA

^cDaetec, LLC, 4069 Calle Tesoro, Camarillo, CA 93012 USA

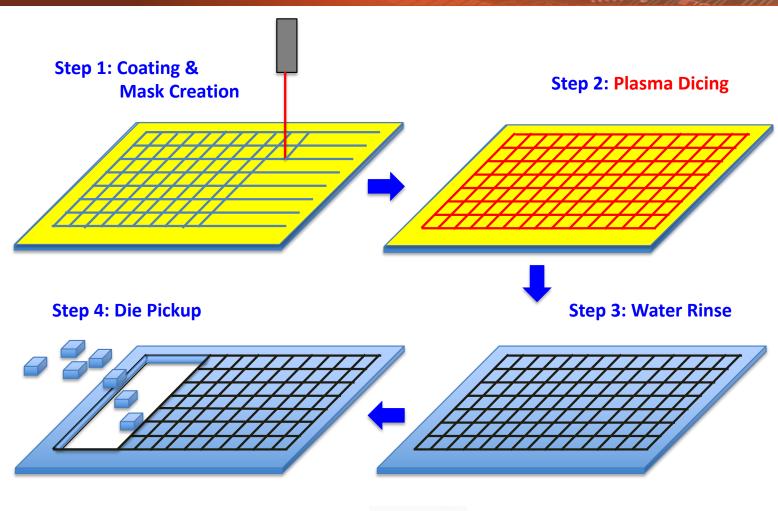
(<u>imoore@daetec.com</u>, <u>www.daetec.com</u>)







Introduction

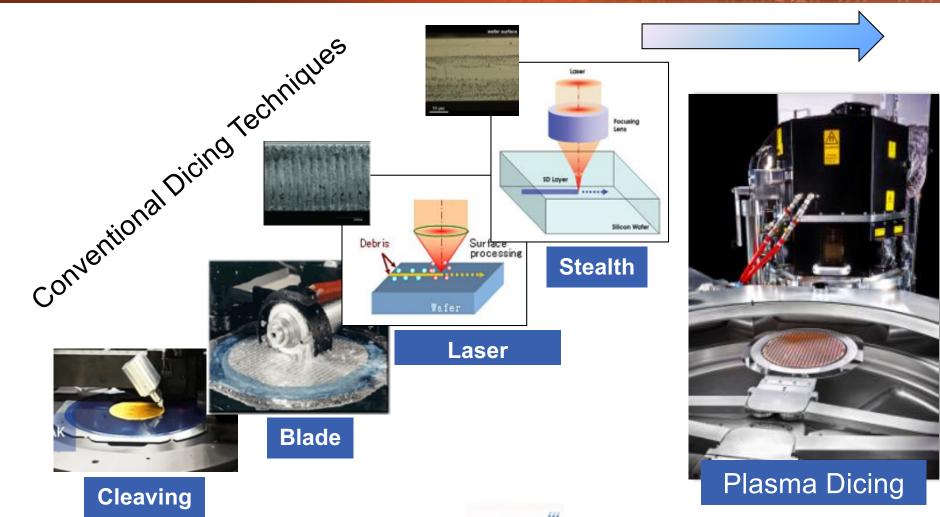








Benefits









Benefits

Why Plasma dice?

- −Dicing lane for saw ~80µm
- Dicing lane for Plasma <<30µm</p>
 - Many more die per wafer (at small die sizes)
- No chipping or vibration damage
- Shaped die
 - Stronger die, higher dicing yields on thin substrates
- -Parallel Vs Serial process
 - ➤ Wafers per hour not hours per wafer





