

BRINGING ADVANCED CHEMISTRY TO THE CUTTING EDGE OF WAFER DICING

Consumables Product Line

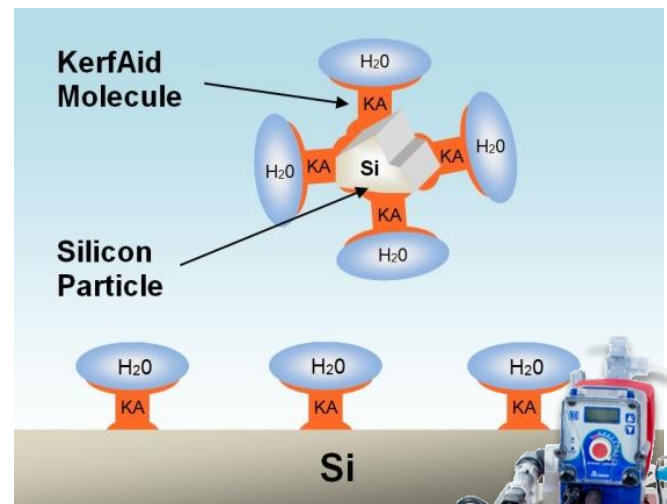
PROVIDING THE LOWEST COST OF OWNERSHIP FOR SAW DICING OPERATIONS

Wafer Dicing System

- KerfAid™ Lubricant
- DXL™ Lubricant Injector

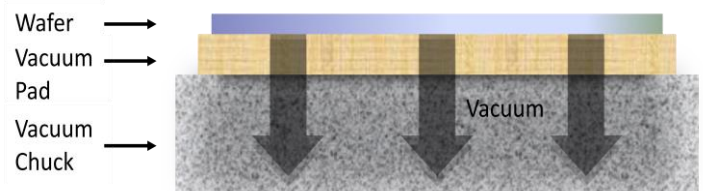
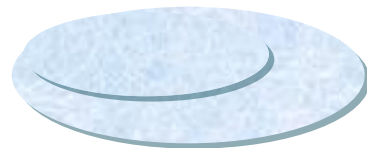
KerfAid Dicing Lubricant, when used in conjunction with dicing saw cutting water, provides the ultimate in kerf quality. KerfAid molecules have a hydrophilic (water loving) head and a hydrophobic (water hating) tail. This enables water to wash away loose particles and reduces surface tension allowing the water to thoroughly wet the wafer.

When injecting KerfAid into the dicing saw wafer, the **DXL Lubricant Injector** pumps a predetermined amount of KerfAid into the water stream. The DXL provides the perfect mixture of water and dicing additive. This ensures the even distribution across the wafer of the dicing additive and thereby makes the additive 100% effective. To learn more, visit www.dicing-fluid.com.



WaferGuard System

- Vacuum Pads
- Separator Paper



Vacuum Pads and **Separator Paper** are used to protect the surface of wafers when being placed face down on a vacuum chuck or staked for storage. The soft yet porous nature of the Vacuum Pad allows the wafer to be vacuumed down without damage.



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Wafer Bonding System

- WaferGrip™ Temporary Adhesive
- StripAid™ Solvent
- DXB™ Wafer Bonder

WaferGrip adhesives consist of EVA polymers. They are heat activated to bond two surfaces together. A typical application is the bonding of wafers to mounting substrates for the thinning process. WaferGrip is supplied in preformed shapes to suit the required application.

The **DXB Wafer Bonder** provides a controlled bonding environment with even heat and constant pressure in an air-evacuated chamber for bonding semiconductor materials to disposable and reusable substrates.

StripAid Solvent is a biodegradable hydrocarbon used for debonding the temporary adhesive WaferGrip. The nonhazardous formulation makes StripAid a popular choice for production processes where operator health and safety is of concern.

WaferWipes can be used in a number of situations found in extremely clean environments. Removal of contaminants from critical surfaces are facilitated by the wipes' compliant surface and moisture retention capabilities.



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