

BRINGING ADVANCED CHEMISTRY TO THE CUTTING EDGE OF WAFER DICING

# Consumables Product Line

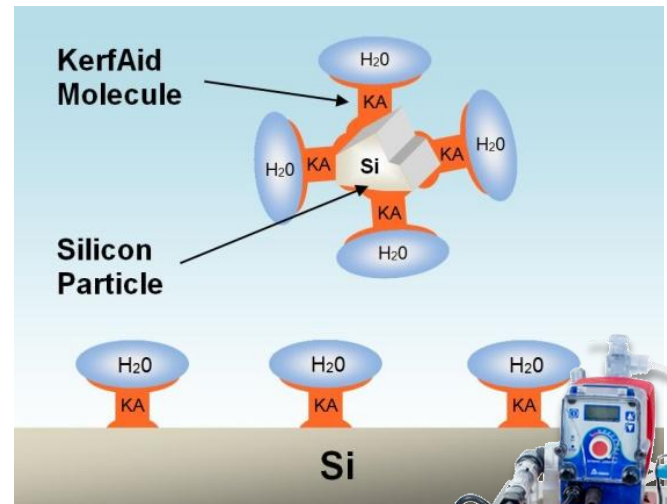
PROVIDING THE BEST COST OF OWNERSHIP FOR SAW DICING OPERATIONS

## Wafer Dicing System

- KerfAid™ Dicing Surfactant
- DXL™ Surfactant Dispenser

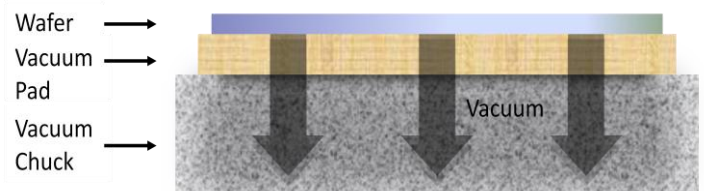
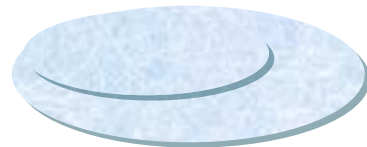
**KerfAid Dicing Surfactant**, when used in conjunction with dicing saw cutting water, provides the ultimate in kerf quality. KerfAid molecules have a hydrophilic (water attracting) head and a hydrophobic (water resistant) tail. This enables water to wash away loose particles and reduces surface tension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

When injecting KerfAid into the dicing saw wafer, the **DXL Surfactant Dispenser** pumps a predetermined amount of KerfAid into the water stream. The DXL provides the perfect mixture of water and dicing surfactant. This ensures the even distribution across the wafer of the dicing surfactant and thereby makes the additive 100% effective.



## 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 stacked for storage. The soft yet porous nature of the Vacuum Pad allows the wafer to be vacuumed down without damage.

# Wafer Bonding System

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

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

**WaferGrip adhesives** consist of EVA polymers. The adhesives 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.

**StripAid Solvent** is a biodegradable hydrocarbon used for debonding the temporary adhesive WaferGrip. The non-hazardous formulation makes StripAid a popular choice for processes in which environmental impact is a particular concern.



# LabClean System

- LabClean™ Wipe
- LabClean™ Sponge
- LabClean™ ShopCloth

**Lab Clean Wipes** can be used in a number of situations found in extremely clean environments. Removal of contaminants from critical surfaces is facilitated by the wipe's compliant surface and moisture retention capabilities.

**Lab Clean Sponges** are between 60% and 80% porous. This high level of absorbency allows the sponge to soak up an amount of fluid well in excess of its own weight.

To learn more, visit [www.labcleanwipes.com](http://www.labcleanwipes.com).



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