



# VECTOR HTX

## SLURRY ADDITIVE FOR WIRE SAW SLURRIES

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### Description:

VECTOR HTX is a specially formulated polyethylene glycol (PEG) based wire saw slurry additive. It is designed to be mixed with pure PEG, or -- in certain cases -- used as-received.

VECTOR HTX allows for stable wire travel and stable wafer geometry, and minimizes breakage potential, while not negatively effecting cutting rate or post-saw cleaning.

The specialized rheology of VECTOR HTX helps reduce wire deflection and vibrations, producing straighter and more consistent wire cuts. VECTOR HTX enables the use of thinner wire yielding more wafers per boule/block. Sawed wafers will also have more consistent surfaces and geometry.

VECTOR HTX does not affect slurry reclamation systems allowing for the reuse of PEG and abrasive when possible. Post-saw wafers can be easily cleaned using either spray or ultrasonic cleaning processes.

For effective and complete cleaning of wafers prior to texturizing, use VECTOR HTR to rinse the wafers and VECTOR HTC-SCA-2 and VECTOR HTC-SCA-1 (respectively) to demount and clean the wafers.

### Benefits:

- Easy to use with existing PEG slurry technology
- Specialized rheology allows for use of thinner wire.
- Possible faster process times and higher wafer production within existing processes
- Better, more consistent wafer surfaces and geometry
- Free rinsing - leaves no film or residue
- Economical
- Fully compatible with other VECTOR products

### Directions:

It is recommended that evaluation of VECTOR HTX begin with a mixture of 1 part VECTOR HTX to 9 parts PEG (based on weight or volume). Increase the ratio of VECTOR HTX: PEG until results yield the benefits needed. Add VECTOR HTX into the PEG prior to adding silicon carbide. The product mixes readily and requires no special mixing equipment.

### Additional Information:

VECTOR Products are available in 5-gallon pails and 55-gallon drums, F.O.B. Bethel, Connecticut, and also include: grinding fluids, sawing fluids, lapping/polishing vehicles and rinse/wash agents. Material Safety Data Sheets are available upon request.

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