

CoatsClean[®] ER105

Post etch residue remover

CoatsClean ER105 is an exclusively formulated remover capable of removing fluorinated residues after DRIE processing in single wafer CoatsClean processes or in immersion or spray processes.

Applications

Stripping post etch residue and photoresists:

- Removal of Post Etch Residue (PER) formed in the Bosch Etch process for Through Silicon Via (TSV) or trench formation
- Removal of photoresist used in TSV etch process
- Preparation of TSV surface for liner

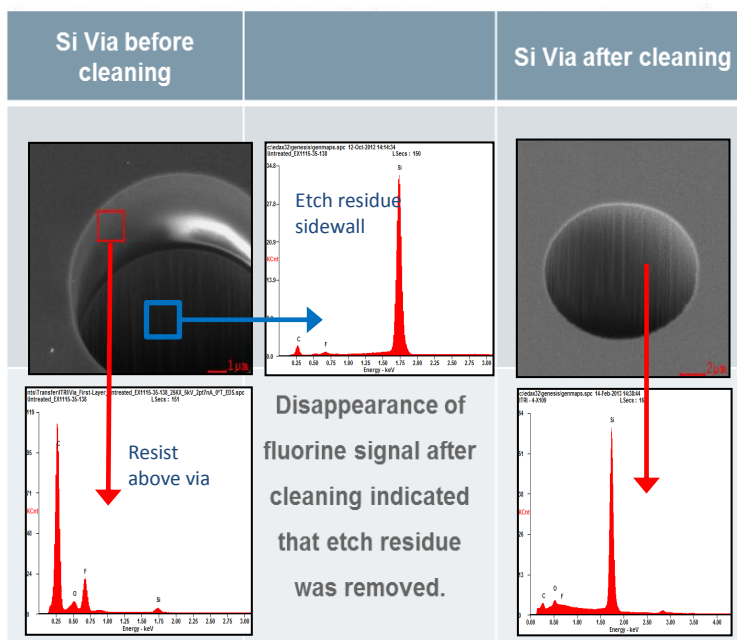
Advantages

- Works to remove photoresist and PER in one step
- Low surface tension penetrates high aspect ratio vias
- Multimetal safe
- Water rinseable

Typical parameters

Use with CoatsClean processes

- Bath makeup: 100% (no dilution)
- Process strip time: up to 10 minutes
- Rinse: DI water, treated DI water, IPA, or alternate solvent rinse



Material compatibility

Optimized for compatibility with

- Copper
- Solder (SnAg)
- Nickel

Passivation Materials*

- Polyimide*
- PBO*
- Epoxy*

(* full cure materials)

- Oxide
- Nitride

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