



Tegal Plasmaline 421 Ashing Tool

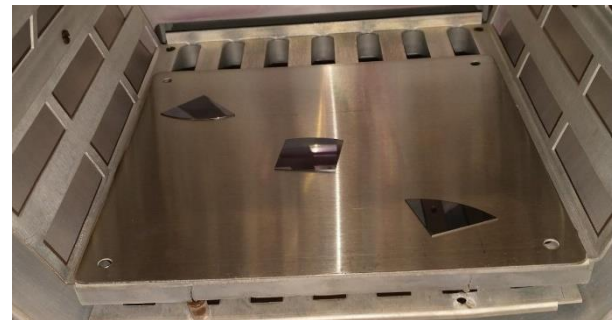
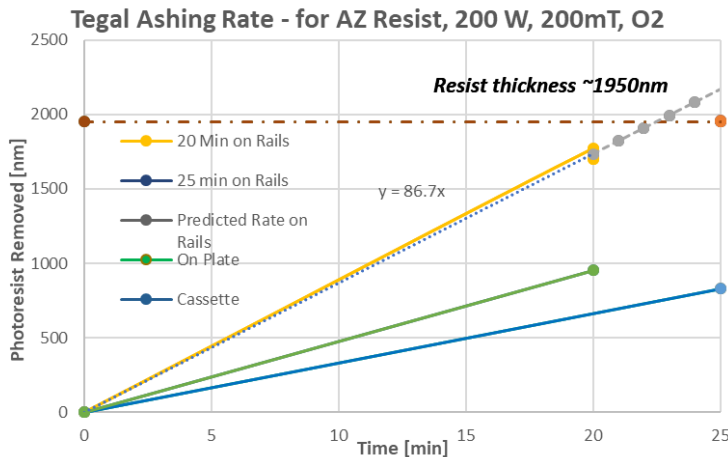
Tegal 421 is an oxygen barrel asher used to remove organic films (particularly photoresist). Oxygen plasma + heat are used to burn or “Ash” organics from substrates that remain after previous processes.

Key Features:

- Isotropic Etching
- Run on Rails, Cassette holder, or Horizontal plate
- Multiple wafer capability using cassettes.
- Large pieces may run individually (Horizontally)
- Silicon, III-V, glass, metal substrates may be run
- Can load non-flat samples
- Rough Vacuum
- RF Power 50-150W
- Gases : O₂, Ar
- Semi-Automatic Run Mode



- Interior showing shelf Rails, Cassette



- Flat Plate w/ small samples

- Complete ashing was predicted by rate, and verified
- Rails config is faster due to increased plasma contact

For info contact wangensteen@tamu.edu