

Outgassing Discussion

- **Round robin test**
 - Commercial resist or model resist
 - Low and high outgassing resists?
 - Agreement from TOK, R&H, Sumitomo, Fujifilm to supply model resists
 - Everyone agrees to round robin
- **Units molecules/cm²-sec**
 - Start with Intel's MET spec
 - Dose? Esize for 50nm 1:1, record clearing dose for model compound, if possible, test model compound at various doses?
 - Thickness? 125nm
 - Record time in vacuum, vacuum level at start of exposure (time in vacuum: 5 hours, 20 minutes, 15 minutes)
 - For mass spec, record time how long it takes to detect a certain mass
 - Use same internal standard?

Outgassing Discussion

- **Solvent outgassing**

- MET 20min in load load, production tools 2 min in load lock
- ASML can share some data about solvent outgassing, might not be a problem
- Difficult to measure outgassing on short time scale

- **When to start?**

- 2 systems will start mid-year (LETI, ASET)
- Intel, SMT, Infineon ready now
- BOC Edwards ready soon