

# 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/cm<sup>2</sup>-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